Displaying Survey Results

<table>
<thead>
<tr>
<th>Title</th>
<th>Computer Science ABET/CSAB Exit Survey</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sub Title</td>
<td>For HSSEAS Graduating Seniors (Winter 2015-Fall 2015)</td>
</tr>
<tr>
<td>Description</td>
<td>Your answers to the following survey questions will only be used in the aggregate to assess our performance and make improvements except for the following: Your email address and employment information will be used by UCLA Engineering and UCLA External Affairs to stay in touch with you, and if you indicate that you want to be an alumni mentor, we will contact you about that as well. We expect this survey to take about 10-20 minutes. You may opt out of the survey and still be eligible to obtain commencement tickets, but to do so you must email the following information to <a href="mailto:seascommencement@seas.ucla.edu">seascommencement@seas.ucla.edu</a>. Subject: I wish to opt out of HSSEAS Senior Survey, Name: [your full name], UCLA Student ID#: [your 9-digit UID], and then wait for further directions which will be emailed to you from <a href="mailto:seascommencement@seas.ucla.edu">seascommencement@seas.ucla.edu</a>.</td>
</tr>
<tr>
<td>Status</td>
<td>Ended</td>
</tr>
<tr>
<td>Anonymous</td>
<td>No</td>
</tr>
<tr>
<td>Fill Ratio</td>
<td>95% (171/180)</td>
</tr>
</tbody>
</table>

★ indicates required field
NR indicates "No Response"

1. How was your academic experience?

1. How satisfied are you with each of the following aspects of your major? ★ [download item]

*Question type : Single answer -- Radio Button*

<table>
<thead>
<tr>
<th></th>
<th>Very Satisfied</th>
<th>Satisfied</th>
<th>Somewhat Satisfied</th>
<th>Somewhat Dissatisfied</th>
<th>Dissatisfied</th>
<th>Very Dissatisfied</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Overall curriculum</td>
<td>23 (13.5%)</td>
<td>93 (54.4%)</td>
<td>47 (27.5%)</td>
<td>5 (2.9%)</td>
<td>3 (1.8%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>b. Ability of faculty in your major to challenge you</td>
<td>54 (31.6%)</td>
<td>89 (52%)</td>
<td>24 (14%)</td>
<td>4 (2.3%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>---</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>c.</strong> Quality of faculty instruction for courses that you took offered by your major department</td>
<td>30 (17.5%)</td>
<td>79 (46.2%)</td>
<td>56 (32.7%)</td>
<td>4 (2.3%)</td>
<td>1 (0.6%)</td>
<td>1 (0.6%)</td>
</tr>
<tr>
<td><strong>d.</strong> Quality of TA instruction for courses that you took offered by your major department</td>
<td>14 (8.2%)</td>
<td>57 (33.3%)</td>
<td>53 (31%)</td>
<td>32 (18.7%)</td>
<td>12 (7%)</td>
<td>3 (1.8%)</td>
</tr>
<tr>
<td><strong>e.</strong> Quality of faculty instruction for courses that you took offered by HSSEAS departments other than your major department</td>
<td>14 (8.2%)</td>
<td>67 (39.2%)</td>
<td>74 (43.3%)</td>
<td>10 (5.8%)</td>
<td>5 (2.9%)</td>
<td>1 (0.6%)</td>
</tr>
<tr>
<td><strong>f.</strong> Quality of TA instruction for courses that you took offered by HSSEAS departments other than your major department</td>
<td>9 (5.3%)</td>
<td>66 (38.6%)</td>
<td>72 (42.1%)</td>
<td>17 (9.9%)</td>
<td>5 (2.9%)</td>
<td>2 (1.2%)</td>
</tr>
<tr>
<td><strong>g.</strong> Accessibility of faculty outside of class</td>
<td>25 (14.6%)</td>
<td>81 (47.4%)</td>
<td>54 (31.6%)</td>
<td>9 (5.3%)</td>
<td>0 (0%)</td>
<td>2 (1.2%)</td>
</tr>
<tr>
<td><strong>h.</strong> Availability of courses in your major required for graduation</td>
<td>25 (14.6%)</td>
<td>69 (40.4%)</td>
<td>47 (27.5%)</td>
<td>17 (9.9%)</td>
<td>11 (6.4%)</td>
<td>2 (1.2%)</td>
</tr>
</tbody>
</table>

2. Please use the space below to comment on your responses to the previous question. Feel free to make suggestions for improvement. It is especially useful to identify specific reasons for aspects where you felt dissatisfaction.

*Question type: Short-answer*

*Answer at the bottom page (63 comments)*

3. How satisfied are you with the following aspects of courses that you took from outside of HSSEAS? Please choose the N/A option if you did not take any of the specified courses. ⭐️[download item]

*Question type: Single answer -- Radio Button*
<table>
<thead>
<tr>
<th></th>
<th>Very Satisfied</th>
<th>Satisfied</th>
<th>Somewhat Satisfied</th>
<th>Somewhat Dissatisfied</th>
<th>Dissatisfied</th>
<th>Very Dissatisfied</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Quality of faculty instruction in Chemistry</td>
<td>9 (5.3%)</td>
<td>39 (22.8%)</td>
<td>24 (14%)</td>
<td>28 (16.4%)</td>
<td>16 (9.4%)</td>
<td>8 (4.7%)</td>
<td>47 (27.5%)</td>
</tr>
<tr>
<td>b. Quality of TA instruction in Chemistry</td>
<td>9 (5.3%)</td>
<td>39 (22.8%)</td>
<td>30 (17.5%)</td>
<td>22 (12.9%)</td>
<td>17 (9.9%)</td>
<td>3 (1.8%)</td>
<td>51 (29.8%)</td>
</tr>
<tr>
<td>c. Quality of faculty instruction in Mathematics</td>
<td>23 (13.5%)</td>
<td>68 (39.8%)</td>
<td>56 (32.7%)</td>
<td>16 (9.4%)</td>
<td>7 (4.1%)</td>
<td>0 (0%)</td>
<td>1 (0.6%)</td>
</tr>
<tr>
<td>d. Quality of TA instruction in Mathematics</td>
<td>21 (12.3%)</td>
<td>66 (38.6%)</td>
<td>60 (35.1%)</td>
<td>14 (8.2%)</td>
<td>6 (3.5%)</td>
<td>2 (1.2%)</td>
<td>2 (1.2%)</td>
</tr>
<tr>
<td>e. Quality of faculty instruction in Physics</td>
<td>25 (14.6%)</td>
<td>68 (39.8%)</td>
<td>52 (30.4%)</td>
<td>17 (9.9%)</td>
<td>2 (1.2%)</td>
<td>0 (0%)</td>
<td>7 (4.1%)</td>
</tr>
<tr>
<td>f. Quality of TA instruction in Physics</td>
<td>21 (12.3%)</td>
<td>59 (34.5%)</td>
<td>56 (32.7%)</td>
<td>21 (12.3%)</td>
<td>6 (3.5%)</td>
<td>0 (0%)</td>
<td>8 (4.7%)</td>
</tr>
<tr>
<td>g. Quality of faculty instruction in GE courses offered by the College of Letters and Science</td>
<td>20 (11.7%)</td>
<td>82 (48%)</td>
<td>55 (32.2%)</td>
<td>9 (5.3%)</td>
<td>4 (2.3%)</td>
<td>0 (0%)</td>
<td>1 (0.6%)</td>
</tr>
<tr>
<td>h. Quality of TA instruction in GE courses offered by the College of Letters and Science</td>
<td>22 (12.9%)</td>
<td>74 (43.3%)</td>
<td>59 (34.5%)</td>
<td>9 (5.3%)</td>
<td>5 (2.9%)</td>
<td>1 (0.6%)</td>
<td>1 (0.6%)</td>
</tr>
</tbody>
</table>

4. Please use the space below to comment on your responses to the previous question. Feel free to make suggestions for improvement. It is especially useful to identify specific reasons for aspects where you felt dissatisfaction.

*Question type : Short-answer*

*Answer at the bottom page (41 comments)*

5. What is your current cumulative GPA? ★

*Question type : Single answer -- Radio Button*

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>below 2.00</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>2.00 - 2.49</td>
<td>6 (3.5%)</td>
</tr>
<tr>
<td>2.50 - 2.99</td>
<td>34 (19.9%)</td>
</tr>
<tr>
<td>3.00 - 3.49</td>
<td>71 (41.5%)</td>
</tr>
</tbody>
</table>
6. **What is your expected year of graduation?**

*Question type: Single answer -- Drop Down Menu*

<table>
<thead>
<tr>
<th>Year</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>10</td>
<td>5.8%</td>
</tr>
<tr>
<td>2015</td>
<td>161</td>
<td>94.2%</td>
</tr>
<tr>
<td>2016</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2017</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2018</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2019</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2020</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2021</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2022</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2023</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2024</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2025</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2026</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2027</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2028</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2029</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2030</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2031</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2032</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2033</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2034</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2035</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2036</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2037</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

3.50 - 3.74 | 46 (26.9%)  |
3.75 - 4.00 | 14 (8.2%)   |
7. What is your expected graduation term? ★
   Question type: Single answer -- Radio Button

   Fall  40 (23.4%)
   Winter  20 (11.7%)
   Spring  107 (62.6%)
   Summer  4 (2.3%)

2. Where are you from and where are you going?

8. Where did you come from before you joined UCLA? ★
   Question type: Single answer -- Radio Button

   Southern California  71 (41.5%)
   California, but not southern California  71 (41.5%)
   USA but not California  8 (4.7%)
   Outside the USA  21 (12.3%)
9. What are you going to do after graduation? ☆
   *Question type: Single answer -- Radio Button*

<table>
<thead>
<tr>
<th>Option</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unknown at this time</td>
<td>18</td>
<td>(10.5%)</td>
</tr>
<tr>
<td>Work in industry related to engineering</td>
<td>133</td>
<td>(77.8%)</td>
</tr>
<tr>
<td>Work in industry unrelated to engineering</td>
<td>2</td>
<td>(1.2%)</td>
</tr>
<tr>
<td>Attend graduate school in engineering</td>
<td>14</td>
<td>(8.2%)</td>
</tr>
<tr>
<td>Attend medical school</td>
<td>0</td>
<td>(0%)</td>
</tr>
<tr>
<td>Attend law school</td>
<td>1</td>
<td>(0.6%)</td>
</tr>
<tr>
<td>Attend other graduate/professional school</td>
<td>1</td>
<td>(0.6%)</td>
</tr>
<tr>
<td>Other</td>
<td>2</td>
<td>(1.2%)</td>
</tr>
</tbody>
</table>

10. If you answered "Attend graduate school in engineering" in question #9, please identify the university if known and then go to question #11:
   *Question type: Single-Line-answer*

   Answer at the bottom page (15 comments)

11. Please specify MS or PhD for your future graduate program, and skip to question #16:
   *Question type: Single answer -- Radio Button*

<table>
<thead>
<tr>
<th>Option</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS</td>
<td>20</td>
<td>(11.7%)</td>
</tr>
<tr>
<td>PhD</td>
<td>1</td>
<td>(0.6%)</td>
</tr>
<tr>
<td>NR</td>
<td>150</td>
<td>(87.7%)</td>
</tr>
</tbody>
</table>

12. If you answered "Attend medical school" in question #9, please identify the university if known and then skip to question #16:
   *Question type: Single-Line-answer*

   Answer at the bottom page (2 comments)
13. If you answered "Attend law school" in question #9, please identify the university if known and then skip to question #16:
   
   Question type: Single-Line-answer
   
   Answer at the bottom page (3 comments)

14. If you answered "Attend other graduate/professional school" in question #9, please identify the university if known and then skip to question #16:

   Question type: Single-Line-answer
   
   Answer at the bottom page (2 comments)

15. If you answered "Other" in question #9, please explain:

   Question type: Single-Line-answer
   
   Answer at the bottom page (5 comments)

16. Where are you going after graduation? ★

   Question type: Single answer -- Radio Button

<table>
<thead>
<tr>
<th>Option</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staying in southern California</td>
<td>61</td>
<td>35.7%</td>
</tr>
<tr>
<td>Staying in California, but not southern</td>
<td>75</td>
<td>43.9%</td>
</tr>
<tr>
<td>California</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Staying in the USA, but not California</td>
<td>30</td>
<td>17.5%</td>
</tr>
<tr>
<td>Leaving the USA</td>
<td>5</td>
<td>2.9%</td>
</tr>
</tbody>
</table>

17. What is your residency status? ★

   Question type: Single answer -- Radio Button

<table>
<thead>
<tr>
<th>Residency Status</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>142</td>
<td>83%</td>
</tr>
<tr>
<td>USA but not California</td>
<td>6</td>
<td>3.5%</td>
</tr>
<tr>
<td>International</td>
<td>23</td>
<td>13.5%</td>
</tr>
</tbody>
</table>

18. Have you been hired by a company? ★

   Question type: Single answer -- Radio Button

<table>
<thead>
<tr>
<th>Hired by a Company</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>106</td>
<td>62%</td>
</tr>
</tbody>
</table>
19. If you have been hired by a company, please specify the name of the company:

Question type: Single-Line-answer

Answer at the bottom page (92 comments)

3. How was your experience with the Office of Academic and Student Affairs?

20. Do you know that the Office of Academic and Student Affairs (OASA) in Boelter 6426 is available for students who would like counseling on curriculum planning or any other academic issues? ★

Question type: Single answer -- Radio Button

<table>
<thead>
<tr>
<th>Yes</th>
<th>169 (98.8%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>2 (1.2%)</td>
</tr>
</tbody>
</table>

21. How many times have you met with an OASA counselor, including summer orientation? ★

Question type: Single answer -- Radio Button

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>17 (9.9%)</td>
</tr>
<tr>
<td>1</td>
<td>13 (7.6%)</td>
</tr>
<tr>
<td>2</td>
<td>32 (18.7%)</td>
</tr>
<tr>
<td>3</td>
<td>22 (12.9%)</td>
</tr>
<tr>
<td>4</td>
<td>26 (15.2%)</td>
</tr>
<tr>
<td>5</td>
<td>14 (8.2%)</td>
</tr>
<tr>
<td>6 or more</td>
<td>47 (27.5%)</td>
</tr>
</tbody>
</table>

22. If you have met with an OASA counselor, how satisfied are you with the counseling that you received? (Choose N/A if you have never met with a counselor) ★

Question type: Single answer -- Radio Button

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Very Satisfied</td>
<td>64 (37.4%)</td>
</tr>
<tr>
<td>Satisfied</td>
<td>59 (34.5%)</td>
</tr>
</tbody>
</table>
23. Identify the frequency of your communication with OASA counselors via email:

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Count (Percentage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Never</td>
<td>39 (22.8%)</td>
</tr>
<tr>
<td>Seldom</td>
<td>116 (67.8%)</td>
</tr>
<tr>
<td>Frequent</td>
<td>16 (9.4%)</td>
</tr>
</tbody>
</table>

24. How was your email communication with OASA Counselors?
(Select N/A if you have not communicated with OASA Counselors via email)

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>Count (Percentage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very helpful</td>
<td>46 (26.9%)</td>
</tr>
<tr>
<td>Helpful</td>
<td>74 (43.3%)</td>
</tr>
<tr>
<td>Not helpful</td>
<td>12 (7%)</td>
</tr>
<tr>
<td>N/A</td>
<td>39 (22.8%)</td>
</tr>
</tbody>
</table>

25. Please comment on the benefits you received from OASA advising and feel free to make suggestions for improvement.

| Question type: Short-answer
Answer at the bottom page (38 comments) |

4. How was your experience outside the classroom with faculty in your major?

26. When did you realize that you had a faculty advisor?

<table>
<thead>
<tr>
<th>Year</th>
<th>Count (Percentage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>First year</td>
<td>140 (81.9%)</td>
</tr>
<tr>
<td>Second year</td>
<td>20 (11.7%)</td>
</tr>
</tbody>
</table>
27. **How many times did you meet with your faculty advisor?**

*Question type: Single answer -- Radio Button*

<table>
<thead>
<tr>
<th>Number of Meetings</th>
<th>Frequency</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2 (1.2%)</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>14 (8.2%)</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>15 (8.8%)</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>46 (26.9%)</td>
<td></td>
</tr>
<tr>
<td>4 or more</td>
<td>94 (55%)</td>
<td></td>
</tr>
</tbody>
</table>

28. **How helpful were the meetings?**

*Question type: Single answer -- Radio Button*

<table>
<thead>
<tr>
<th>Awareness Statement</th>
<th>Frequency</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>It was nice to meet with my advisor and I got some really good advice.</td>
<td>30 (17.5%)</td>
<td></td>
</tr>
<tr>
<td>It was nice to meet with my advisor.</td>
<td>79 (46.2%)</td>
<td></td>
</tr>
<tr>
<td>The meetings were not helpful.</td>
<td>62 (36.3%)</td>
<td></td>
</tr>
</tbody>
</table>

5. **ABET Evaluation**

29. The following is a list of abilities expected of engineering graduates, in accordance with the ABET accreditation guidelines. Please rate each one on the following measure:

A) How important do you think the following will be to achieving success in your career?

*Question type: Single answer -- Radio Button*
<table>
<thead>
<tr>
<th></th>
<th>All</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>a.</strong> An ability to apply knowledge of mathematics, science, and engineering</td>
<td>1 (0.6%)</td>
</tr>
<tr>
<td><strong>b.</strong> An ability to design and conduct experiments, as well as to analyze and interpret data</td>
<td>5 (2.9%)</td>
</tr>
<tr>
<td><strong>c.</strong> An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability</td>
<td>2 (1.2%)</td>
</tr>
<tr>
<td><strong>d.</strong> An ability to function on multidisciplinary teams</td>
<td>1 (0.6%)</td>
</tr>
<tr>
<td><strong>e.</strong> An ability to identify, formulate, and solve engineering problems</td>
<td>1 (0.6%)</td>
</tr>
<tr>
<td><strong>f.</strong> Ability to make ethical decisions consistent with a bioengineer's professional responsibilities</td>
<td>24 (14%)</td>
</tr>
<tr>
<td><strong>g.</strong> An ability to communicate effectively</td>
<td>1 (0.6%)</td>
</tr>
</tbody>
</table>
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context

<table>
<thead>
<tr>
<th></th>
<th>(1) Not Prepared at All</th>
<th>(2)</th>
<th>(3)</th>
<th>(4)</th>
<th>(5) Extremely Prepared</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>6 (3.5%)</td>
<td>7 (4.1%)</td>
<td>44 (25.7%)</td>
<td>62 (36.3%)</td>
</tr>
</tbody>
</table>

i. A recognition of the need for, and an ability to engage in life-long learning

<table>
<thead>
<tr>
<th></th>
<th>(1) Not Prepared at All</th>
<th>(2)</th>
<th>(3)</th>
<th>(4)</th>
<th>(5) Extremely Prepared</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 (0.6%)</td>
<td>2 (1.2%)</td>
<td>19 (11.1%)</td>
<td>51 (29.8%)</td>
</tr>
</tbody>
</table>

j. A knowledge of contemporary issues

<table>
<thead>
<tr>
<th></th>
<th>(1) Not Prepared at All</th>
<th>(2)</th>
<th>(3)</th>
<th>(4)</th>
<th>(5) Extremely Prepared</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>4 (2.3%)</td>
<td>7 (4.1%)</td>
<td>39 (22.8%)</td>
<td>69 (40.4%)</td>
</tr>
</tbody>
</table>

k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

<table>
<thead>
<tr>
<th></th>
<th>(1) Not Prepared at All</th>
<th>(2)</th>
<th>(3)</th>
<th>(4)</th>
<th>(5) Extremely Prepared</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 (0.6%)</td>
<td>2 (1.2%)</td>
<td>15 (8.8%)</td>
<td>55 (32.2%)</td>
</tr>
</tbody>
</table>

30. For the same items as the last question, please now rate each one on the following measure:

B) How well do you believe your UCLA education (both within and outside of HSSEAS) prepared you in this area?

<table>
<thead>
<tr>
<th></th>
<th>(1) Not Prepared at All</th>
<th>(2)</th>
<th>(3)</th>
<th>(4)</th>
<th>(5) Extremely Prepared</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

a. An ability to apply knowledge of mathematics, science, and engineering

<table>
<thead>
<tr>
<th></th>
<th>(1) Not Prepared at All</th>
<th>(2)</th>
<th>(3)</th>
<th>(4)</th>
<th>(5) Extremely Prepared</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 (0.6%)</td>
<td>2 (1.2%)</td>
<td>33 (19.3%)</td>
<td>77 (45%)</td>
</tr>
</tbody>
</table>

b. An ability to design and conduct experiments, as well as to analyze and

<table>
<thead>
<tr>
<th></th>
<th>(1) Not Prepared at All</th>
<th>(2)</th>
<th>(3)</th>
<th>(4)</th>
<th>(5) Extremely Prepared</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2 (1.2%)</td>
<td>14 (8.2%)</td>
<td>46 (26.9%)</td>
<td>75 (43.9%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td></td>
<td>c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability</td>
<td>7 (4.1%)</td>
<td>19 (11.1%)</td>
<td>44 (25.7%)</td>
<td>64 (37.4%)</td>
</tr>
<tr>
<td></td>
<td>d. An ability to function on multidisciplinary teams</td>
<td>5 (2.9%)</td>
<td>20 (11.7%)</td>
<td>59 (34.5%)</td>
<td>55 (32.2%)</td>
</tr>
<tr>
<td></td>
<td>e. An ability to identify, formulate, and solve engineering problems</td>
<td>2 (1.2%)</td>
<td>6 (3.5%)</td>
<td>37 (21.6%)</td>
<td>68 (39.8%)</td>
</tr>
<tr>
<td></td>
<td>f. Ability to make ethical decisions consistent with a bioengineer's professional responsibilities</td>
<td>16 (9.4%)</td>
<td>20 (11.7%)</td>
<td>45 (26.3%)</td>
<td>61 (35.7%)</td>
</tr>
<tr>
<td></td>
<td>g. An ability to communicate effectively</td>
<td>6 (3.5%)</td>
<td>19 (11.1%)</td>
<td>52 (30.4%)</td>
<td>64 (37.4%)</td>
</tr>
<tr>
<td></td>
<td>h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context</td>
<td>3 (1.8%)</td>
<td>24 (14%)</td>
<td>47 (27.5%)</td>
<td>63 (36.8%)</td>
</tr>
<tr>
<td></td>
<td>i. A recognition of the need for, and an ability to engage in life-long</td>
<td>2 (1.2%)</td>
<td>10 (5.8%)</td>
<td>41 (24%)</td>
<td>60 (35.1%)</td>
</tr>
</tbody>
</table>
6. Research

31. When did you perform research for a professor? Check all that apply. ★ [download item]

*Question type: Multiple answer -- Check Box*

<table>
<thead>
<tr>
<th></th>
<th>Fall quarter</th>
<th>Winter quarter</th>
<th>Spring quarter</th>
<th>Summer</th>
<th>Never</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. 1st year</td>
<td>4 (2.3%)</td>
<td>2 (1.2%)</td>
<td>2 (1.2%)</td>
<td>1 (0.6%)</td>
<td>165 (96.5%)</td>
</tr>
<tr>
<td>b. 2nd year</td>
<td>4 (2.3%)</td>
<td>8 (4.7%)</td>
<td>7 (4.1%)</td>
<td>6 (3.5%)</td>
<td>156 (91.2%)</td>
</tr>
<tr>
<td>c. 3rd year</td>
<td>12 (7%)</td>
<td>13 (7.6%)</td>
<td>18 (10.5%)</td>
<td>3 (1.8%)</td>
<td>147 (86%)</td>
</tr>
<tr>
<td>d. 4th year</td>
<td>9 (5.3%)</td>
<td>7 (4.1%)</td>
<td>11 (6.4%)</td>
<td>3 (1.8%)</td>
<td>154 (90.1%)</td>
</tr>
<tr>
<td>e. 5th year</td>
<td>4 (2.3%)</td>
<td>5 (2.9%)</td>
<td>4 (2.3%)</td>
<td>0 (0%)</td>
<td>164 (95.9%)</td>
</tr>
<tr>
<td>f. after 5th year</td>
<td>1 (0.6%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>170 (99.4%)</td>
</tr>
</tbody>
</table>

If you answered "never" to question #31, please skip to question #39.

32. Please identify the professor(s):

*Question type: Single-Line-answer*

Answer at the bottom page (40 comments)

33. How did you first find out about this(these) research opportunity(opportunities)?

*Question type: Short-answer*

Answer at the bottom page (38 comments)

34. Please use this space to comment on the benefit of your undergraduate research opportunity(opportunities).

*Question type: Short-answer*

Answer at the bottom page (31 comments)
35. Please list any publications/presentations/awards during your undergraduate studies from research.

*Question type: Short-answer*

*Answer at the bottom page (18 comments)*

36. How well did your program prepare you for research position(s)? Please provide details, such as topics from courses.

*Question type: Short-answer*

*Answer at the bottom page (29 comments)*

37. Did you sign up for a 199 directed research course?

*Question type: Single answer -- Radio Button*

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>NR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>22 (12.9%)</td>
<td>23 (13.5%)</td>
<td>126 (73.7%)</td>
</tr>
</tbody>
</table>

38. Please explain why you did or did not sign up for a 199 directed research course.

*Question type: Short-answer*

*Answer at the bottom page (34 comments)*

7. Internships

39. When did you perform an internship at a company? Check all that apply.  

*Question type: Multiple answer -- Check Box*

<table>
<thead>
<tr>
<th></th>
<th>Fall quarter</th>
<th>Winter quarter</th>
<th>Spring quarter</th>
<th>Summer</th>
<th>Never</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. 1st year</td>
<td>2 (1.2%)</td>
<td>3 (1.8%)</td>
<td>4 (2.3%)</td>
<td>39 (22.8%)</td>
<td>131 (76.6%)</td>
</tr>
<tr>
<td>b. 2nd year</td>
<td>4 (2.3%)</td>
<td>3 (1.8%)</td>
<td>5 (2.9%)</td>
<td>70 (40.9%)</td>
<td>99 (57.9%)</td>
</tr>
<tr>
<td>c. 3rd year</td>
<td>8 (4.7%)</td>
<td>9 (5.3%)</td>
<td>9 (5.3%)</td>
<td>117 (68.4%)</td>
<td>52 (30.4%)</td>
</tr>
<tr>
<td>d. 4th year</td>
<td>19 (11.1%)</td>
<td>16 (9.4%)</td>
<td>13 (7.6%)</td>
<td>44 (25.7%)</td>
<td>111 (64.9%)</td>
</tr>
<tr>
<td>e. 5th year</td>
<td>6 (3.5%)</td>
<td>3 (1.8%)</td>
<td>1 (0.6%)</td>
<td>3 (1.8%)</td>
<td>163 (95.3%)</td>
</tr>
<tr>
<td>f. after 5th year</td>
<td>2 (1.2%)</td>
<td>1 (0.6%)</td>
<td>1 (0.6%)</td>
<td>1 (0.6%)</td>
<td>169 (98.8%)</td>
</tr>
</tbody>
</table>

If you answered "never" to question #39, please skip to question #58.

40. Please select one company where you interned to provide some detailed feedback in the following questions.
<table>
<thead>
<tr>
<th>Company</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amgen</td>
<td>1</td>
<td>0.6%</td>
</tr>
<tr>
<td>Aerospace Corporation</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Blizzard Entertainment</td>
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<td>0%</td>
</tr>
<tr>
<td>Boeing</td>
<td>2</td>
<td>1.2%</td>
</tr>
<tr>
<td>Chevron</td>
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<td>0%</td>
</tr>
<tr>
<td>Cisco Systems, Inc.</td>
<td>1</td>
<td>0.6%</td>
</tr>
<tr>
<td>Conoco Phillips</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Diaz Yourman and Associates</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Englekirk &amp; Sabol Consulting Engineers, Inc.</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Exponent Failure Analysis Associates</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Exxon Mobile Corporation</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Foxconn Electronics Inc.</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Fugro West</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Geosyntec Consultants--MMI Engineering</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Google</td>
<td>5</td>
<td>2.9%</td>
</tr>
<tr>
<td>Hitachi</td>
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<td>0%</td>
</tr>
<tr>
<td>Honeywell Aerospace</td>
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<td>0%</td>
</tr>
<tr>
<td>Juniper Networks</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Kennedy/Jenks Consultants</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Kiewit Pacific Co.</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>KPFF</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Lockheed Martin</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Mentor Graphics</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Company</td>
<td>Count</td>
<td>Percentage</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>-------</td>
<td>------------</td>
</tr>
<tr>
<td>Mitsubishi Heavy Industries America, Inc.</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>NanoIVD, Inc.</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Nokia</td>
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<td>0%</td>
</tr>
<tr>
<td>Northrop Grumman</td>
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</tr>
<tr>
<td>Panasonic</td>
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<td>0%</td>
</tr>
<tr>
<td>Praad Geotechnical, Inc.</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Pratt &amp; Whitney/Rocketdyne</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Qualcomm</td>
<td>1</td>
<td>0.6%</td>
</tr>
<tr>
<td>Raytheon</td>
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<td>1.2%</td>
</tr>
<tr>
<td>Samsung</td>
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<td>0%</td>
</tr>
<tr>
<td>Sequence</td>
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<td>0%</td>
</tr>
<tr>
<td>Shimmick Construction</td>
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<td>0%</td>
</tr>
<tr>
<td>Sony</td>
<td>1</td>
<td>0.6%</td>
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<tr>
<td>Oracle</td>
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<td>0%</td>
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<tr>
<td>Symantec Corp.</td>
<td>14</td>
<td>8.2%</td>
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<tr>
<td>Synopsys</td>
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<td>0%</td>
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<tr>
<td>Teradata</td>
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<td>0%</td>
</tr>
<tr>
<td>Van Beveren &amp; Butelo</td>
<td>0</td>
<td>0%</td>
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<tr>
<td>ViaSat</td>
<td>3</td>
<td>1.8%</td>
</tr>
<tr>
<td>Weidlinger Associates, Inc.</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Yahoo!, Inc.</td>
<td>1</td>
<td>0.6%</td>
</tr>
<tr>
<td>Other</td>
<td>96</td>
<td>56.1%</td>
</tr>
<tr>
<td>NR</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

41. If you selected "Other" on the previous question, please enter the name of the company:

*Question type: Single-Line-answer*

*Answer at the bottom page (97 comments)*
42. What was the specific title of your internship position?
Question type : Single-Line-answer
Answer at the bottom page (129 comments)

43. How did you learn about the internship?
Question type : Single answer -- Drop Down Menu

<table>
<thead>
<tr>
<th>Option</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>OASA Internship/Job Clearing house website</td>
<td>1</td>
<td>0.6%</td>
</tr>
<tr>
<td>Weekly UCLA Engineering e-mail Internship/Jobs e-mail blasts</td>
<td>3</td>
<td>1.8%</td>
</tr>
<tr>
<td>Student Organization event: Tech Talk, Information Session, etc.</td>
<td>9</td>
<td>5.3%</td>
</tr>
<tr>
<td>Career Fair: Career Center or student organization</td>
<td>46</td>
<td>26.9%</td>
</tr>
<tr>
<td>My own research</td>
<td>43</td>
<td>25.1%</td>
</tr>
<tr>
<td>Referral from friend or engineering colleague</td>
<td>28</td>
<td>16.4%</td>
</tr>
<tr>
<td>NR</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

44. How well did the company treat you?
Question type : Single answer -- Radio Button

<table>
<thead>
<tr>
<th>Option</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely well</td>
<td>80</td>
<td>46.8%</td>
</tr>
<tr>
<td>Well</td>
<td>44</td>
<td>25.7%</td>
</tr>
<tr>
<td>Neutral</td>
<td>3</td>
<td>1.8%</td>
</tr>
<tr>
<td>Poorly</td>
<td>3</td>
<td>1.8%</td>
</tr>
<tr>
<td>Very poorly</td>
<td>1</td>
<td>0.6%</td>
</tr>
<tr>
<td>NR</td>
<td>40</td>
<td>23.4%</td>
</tr>
</tbody>
</table>

45. Describe the scope of your work during the internship?
(Choose the best breakdown of your usage of skills: first percentage is soft interpersonal skills, second percentage is
46. Do you feel you were given meaningful tasks that helped you prepare for a career in this industry?

Question type: Single answer -- Radio Button

<table>
<thead>
<tr>
<th>Option</th>
<th>Count (Percentage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>117 (68.4%)</td>
</tr>
<tr>
<td>No</td>
<td>13 (7.6%)</td>
</tr>
<tr>
<td>NR</td>
<td>41 (24%)</td>
</tr>
</tbody>
</table>

47. Please provide the professional responsibilities of your internship and describe your role within your professional team.

Question type: Short-answer

Answer at the bottom page (101 comments)

48. What type of skills do you feel you were able to develop during this internship?

Question type: Short-answer

Answer at the bottom page (95 comments)

49. Did the company provide you with feedback on your performance?

Question type: Single answer -- Radio Button

<table>
<thead>
<tr>
<th>Option</th>
<th>Count (Percentage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>85 (49.7%)</td>
</tr>
<tr>
<td>No</td>
<td>38 (22.2%)</td>
</tr>
<tr>
<td>NR</td>
<td>48 (28.1%)</td>
</tr>
</tbody>
</table>
50. If yes, how was that feedback beneficial to you?
   Question type: Short-answer
   Answer at the bottom page (67 comments)

51. If the company were to offer you a full time position, would you accept the offer?
   Question type: Single answer -- Radio Button
   Yes  66 (38.6%)
   No   57 (33.3%)
   NR   48 (28.1%)

52. Did the company offer you a full time position after graduation?
   Question type: Single answer -- Radio Button
   Yes  72 (42.1%)
   No   49 (28.7%)
   NR   50 (29.2%)

53. If you were offered a full time position, why did you or did you not accept the position?
   Question type: Short-answer
   Answer at the bottom page (72 comments)

54. Would you recommend an internship at this company to fellow UCLA students?
   Question type: Single answer -- Radio Button
   Yes  105 (61.4%)
   No   18 (10.5%)
   NR   48 (28.1%)

55. Please explain why you would or would not recommend an internship at this company.
   Question type: Short-answer
   Answer at the bottom page (93 comments)
56. How well did your program prepare you for internship position(s)? Please provide details, such as topics from courses.

*Question type: Short-answer*

*Answer at the bottom page (84 comments)*

57. We can only collect detailed feedback about one company, but if you have additional internships, please identify all of your other internship companies:

*Question type: Short-answer*

*Answer at the bottom page (51 comments)*

8. UCLA Summer Sessions

58. When did you take classes during UCLA summer session?

*Check all that apply.*

*Question type: Multiple answer -- Check Box*

<table>
<thead>
<tr>
<th>1st summer</th>
<th>44 (25.7%)</th>
<th><img src="#" alt="Check Box" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd summer</td>
<td>58 (33.9%)</td>
<td><img src="#" alt="Check Box" /></td>
</tr>
<tr>
<td>3rd summer</td>
<td>44 (25.7%)</td>
<td><img src="#" alt="Check Box" /></td>
</tr>
<tr>
<td>4th summer</td>
<td>16 (9.4%)</td>
<td><img src="#" alt="Check Box" /></td>
</tr>
<tr>
<td>5th or later summer</td>
<td>2 (1.2%)</td>
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</tr>
<tr>
<td>never</td>
<td>67 (39.2%)</td>
<td><img src="#" alt="Check Box" /></td>
</tr>
</tbody>
</table>

59. Please choose the most accurate response about summer offerings.

*Question type: Single answer -- Radio Button*

<table>
<thead>
<tr>
<th>The available summer offerings in my major were adequate.</th>
<th>63 (36.8%)</th>
<th><img src="#" alt="Radio Button" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>I don't care about summer offerings.</td>
<td>58 (33.9%)</td>
<td><img src="#" alt="Radio Button" /></td>
</tr>
<tr>
<td>I wanted more classes in my major available in summer.</td>
<td>50 (29.2%)</td>
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</table>

9. Student Organizations
60. How did you enter the School of Engineering?  ⭐

*Question type: Single answer -- Radio Button*

<table>
<thead>
<tr>
<th>Option</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>I entered as a freshman</td>
<td>156</td>
<td>91.2%</td>
</tr>
<tr>
<td>I entered as a transfer student</td>
<td>15</td>
<td>8.8%</td>
</tr>
</tbody>
</table>

61. Please specify which of the following clubs you were a member of during each of the indicated years at UCLA:  [download item]

*Question type: Multiple answer -- Check Box*

<table>
<thead>
<tr>
<th>Club</th>
<th>1st year</th>
<th>2nd year</th>
<th>3rd year</th>
<th>4th year</th>
<th>5th or later year</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. American Indian Science and Engineering Society</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>b. American Institute of Aeronautics and Astronautics</td>
<td>3 (1.8%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>c. American Institute of Chemical Engineers</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>d. American Society of Civil Engineers</td>
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<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>e. American Society of Mechanical Engineers</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>f. Arab American Association of Engineers and Architects</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>g. Association for Careers in Technology</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>h. Association for Computing Machinery</td>
<td>6 (3.5%)</td>
<td>7 (4.1%)</td>
<td>11 (6.4%)</td>
<td>10 (5.8%)</td>
<td>1 (0.6%)</td>
</tr>
<tr>
<td>i. Building Engineers and Mentors</td>
<td>1 (0.6%)</td>
<td>1 (0.6%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
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<tr>
<td><strong>j. Biomedical Engineering Society</strong></td>
<td>1 (0.6%)</td>
<td>1 (0.6%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td><strong>k. Bruin Amateur Radio Club</strong></td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td><strong>l. California Geopropessionals Association</strong></td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td><strong>m. California Geotechnical Engineering Association</strong></td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
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<tr>
<td><strong>n. Chi Epsilon</strong></td>
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<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td><strong>o. Engineering Ambassador Program</strong></td>
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<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
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<tr>
<td><strong>p. Engineering Society, University of California</strong></td>
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<td>4 (2.3%)</td>
<td>4 (2.3%)</td>
<td>4 (2.3%)</td>
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<tr>
<td><strong>q. Engineers Without Borders</strong></td>
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<td>0 (0%)</td>
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<td>0 (0%)</td>
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<tr>
<td><strong>r. Eta Kappa Nu</strong></td>
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<td>2 (1.2%)</td>
<td>5 (2.9%)</td>
<td>5 (2.9%)</td>
<td>2 (1.2%)</td>
</tr>
<tr>
<td><strong>s. Forum for Energy Economics and Development</strong></td>
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<td>0 (0%)</td>
<td>0 (0%)</td>
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<tr>
<td><strong>t. Institute of Electrical and Electronics Engineers</strong></td>
<td>10 (5.8%)</td>
<td>7 (4.1%)</td>
<td>7 (4.1%)</td>
<td>4 (2.3%)</td>
<td>2 (1.2%)</td>
</tr>
<tr>
<td><strong>u. Institute of Transportation Engineers</strong></td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td><strong>v. International Society for Pharmaceutical Engineering</strong></td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
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<tr>
<td><strong>w. Linux Users Group</strong></td>
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<tr>
<td><strong>x. Materials Research Society</strong></td>
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<td>0 (0%)</td>
<td>0 (0%)</td>
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<tr>
<td>Organization</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>-------</td>
<td>-------</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>National Society of Black Engineers</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
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<td>0 (0%)</td>
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<tr>
<td>Phi Sigma Rho</td>
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<td>1 (0.6%)</td>
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<td>Pilipinos in Engineering</td>
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<td>Robotics Club</td>
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<tr>
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</tr>
<tr>
<td>Society of Automotive Engineers</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>Society for Biomaterials</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>Society of Biomaterials &amp; International Society for Pharmaceutical Engineering</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>Society of Latino Engineers and Scientists</td>
<td>3 (1.8%)</td>
<td>2 (1.2%)</td>
<td>1 (0.6%)</td>
<td>1 (0.6%)</td>
<td>0 (0%)</td>
</tr>
<tr>
<td>Society of Women Engineers</td>
<td>5 (2.9%)</td>
<td>4 (2.3%)</td>
<td>2 (1.2%)</td>
<td>2 (1.2%)</td>
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</tr>
<tr>
<td>Tau Beta Pi</td>
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<td>9 (5.3%)</td>
<td>16 (9.4%)</td>
<td>15 (8.8%)</td>
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</tr>
<tr>
<td>Theta Tau</td>
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<td>4 (2.3%)</td>
<td>4 (2.3%)</td>
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<tr>
<td>Triangle Fraternity</td>
<td>0 (0%)</td>
<td>0 (0%)</td>
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<td>1 (0.6%)</td>
<td>1 (0.6%)</td>
</tr>
<tr>
<td>Upsilon Pi Epsilon</td>
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<td>11 (6.4%)</td>
<td>32 (18.7%)</td>
<td>27 (15.8%)</td>
<td>5 (2.9%)</td>
</tr>
</tbody>
</table>

**10. Conclusion**

**62. Would you be interested in mentoring current junior and senior students on preparing for life after graduation? 🌟**

*Question type: Single answer -- Radio Button*

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>53 (31%)</td>
<td>118 (69%)</td>
</tr>
</tbody>
</table>
63. Please provide us with an email address so that we may contact you in the future. This is important whether or not you are interested in the mentoring opportunity described in the previous question. ★

Question type : Single-Line-answer

Answer at the bottom page (171 comments)

64. What is your likelihood of recommending your current UCLA Engineering major to a prospective student? ★

Question type : Single answer -- Radio Button

<table>
<thead>
<tr>
<th>Likelihood</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0%</td>
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<td>0.6%</td>
</tr>
<tr>
<td>20%</td>
<td>1</td>
<td>0.6%</td>
</tr>
<tr>
<td>40%</td>
<td>5</td>
<td>2.9%</td>
</tr>
<tr>
<td>60%</td>
<td>27</td>
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<tr>
<td>80%</td>
<td>65</td>
<td>38%</td>
</tr>
<tr>
<td>100%</td>
<td>72</td>
<td>42.1%</td>
</tr>
</tbody>
</table>

2. Please use the space below to comment on your responses to the previous question. Feel free to make suggestions for improvement. It is especially useful to identify specific reasons for aspects where you felt dissatisfaction.

> A generalization of courses taken over the span of 4 years is unfair, but a point of improvement is to somehow make professors more invested in actually teaching instead of simply talking about what they should be teaching.
> Classes are often hit or miss. Some are great and some are very poorly constructed: especially new or "quarterly" classes (Classes that change every quarter e.g. cs188) but that is understandable.
> Classes were okay. Nothing too memorable or special.
> Classes were very hard to get. Toward the end, there was hardly enough classes for me to even take that would satisfy any of my graduation requirements, and on many occasions had to take every single computer science course available, which still was not enough to graduate on time.
> CS Professors were great. The EE professors I had were not the best, specifically for EE 1. But since that course no longer exists, I think that it's fine.
> CS181 is too impacted of a class
> Everything was pretty good
For computer science classes, I would have preferred more live demonstrations with actual computers; too many concepts were explained in the abstract. I wish I had more podcasted lectures (ESPECIALLY when instructed by Prof. Eggert since he covers concepts in great detail at great speed).

I am satisfied with the professors I took for most courses in my major. I didn't choose the highest level of satisfaction because the learning experience isn't consistent. I planned which professor to take for which course at the beginning of my sophomore year which helped me have a good time, but others might not be as lucky. I realize that UCLA is a research university, but an affinity to teaching should also account in the decision to hire. Prof. Smallberg, Miryung Kim, Sherstov, Reinmann, John Cho and Nachenberg were the best. Please get more masters like them. TAs in most Computer Science courses need to be better. Often they are graduate students who are doing it for the income, rather than a talent for teaching. There should also be higher standards for communicating in English and training in gender bias for teaching assistants.

I believe that the overall CS curriculum was great but I think that more practical classes should be added similar to CS 130. It is difficult to succeed in industry Software Engineering interviews and internships without a lot of supplementary studying/learning outside of the CS curriculum. For students focused on theory and research, the curriculum is a good fit but for those focused on getting an industry job, there should be more practical classes offered.

I came into UCLA with fewer units than students with AP classes. This made it difficult to enrol in some lower-division classes.

I did not feel welcome seeking help from the Electrical Engineering faculty, excluding Professor Joshi. I had the feeling that every EE professor did not want to be teaching. This distinction became very apparent after switching majors from Electrical Engineering to Computer Science(with a tech breadth in EE). Nearly every CS professor I had was enthusiastic about the material and wanted to ensure the students understood the key topics. While I do not want to elaborate on this outside of this survey, I strongly feel this is something that the Engineering faculty should explore and discuss. There are several other students I am personally aware of who have made the same observations and shared their experiences.

I feel like for most of the CS classes, a better TA would have made a huge difference. Additionally some of the required classes for the major did not make any sense. e.g. Chem 20A when I am a CS major. It might be better to create more distinct pathways within CS so that people can take more of the classes that interest them, or would be more relevant for them, than a wide breadth of different classes.

I feel the TAs throughout the Computer Science department need to be reminded that female students are just as competent as the male students. Additionally, TAs not from America need specific training on only speaking English when answering student's questions and treating all students, regardless of gender or ethnicity, equally.

I felt only somewhat satisfied with TAs in the Computer Science department. They were helpful in regards to offering hints for projects and going over info, but sometimes I found them to be really difficult to relate and also uninterested in student learning.

I learned much and deeply enjoyed most of my computer science classes. The biggest issue by far was getting into them. I found it difficult to take enough CS classes to graduate.
I think the curriculum of the engineering classes here at UCLA is too focused on theory, rather than practicality. Theory is a nice foundation to have, but I felt that I completed a lot of classes without learning real skills that I could apply to a career in my major's field. It also proved very difficult to enroll in classes throughout my time here. One example: there would be 2 classes I want to take in a quarter, but they would be scheduled for the same times.

I was one of the very few students who has gone to, very nearly, every single discussion section for every single class taken at UCLA. The choice to have 2 hour discussions for all CS classes was a TERRIBLE mistake. I have had less than a handful of classes through my 4 years at UCLA where the full 2 hours was utilized, and I think all of these were on 'Review' days before the midterms or Finals (NOTE: this is not a handful of courses with good discussions, this is a handful of INDIVIDUAL weekly classes). This is absolutely unacceptable and CANNOT be fixed by forcing TAs to just give extra examples. Discussion sections NEED to be 1 hour each. This will encourage students to actually show up, beyond the ~10 that grudgingly go to class every week, and will waste a lot less time. TAs should give bonus review sessions (before Midterms and Finals) outside of class time where they review extra material that couldn't be covered in Discussion. It is absolutely appalling to me that there have not been enough complaints from other students to warrant a change in this regard.

I was overall satisfied with ucla!

I was very disappointed, throughout the major, with the quality of the TAs and their ability to actually help you through the classes.

I would have liked to continue the Computer Graphics 174 series, but it seemed like 174A was the only one offered in the last two years.

In general most TAs were selected for the needs of the department, to provide funding to those guaranteed it, rather the needs of the students, to provided instructors that knew the material and were dedicated to the students' learning. For many classes there is only one section a year offered by the "preferred instructor", this does not mean the easier section, this means the offering in which the students gained the most.

It has been very difficult to get extra help from the TA or the professor. Office hours for each of the people were often very crowded making it very difficult to obtain help.

It is really hard to enroll in some courses, and most of them have time conflict, which really disappointed. Many interesting courses were only offered once.

It was overall a great experience

It was somewhat difficult to get the classes I needed during my junior year and I was occasionally forced to take classes that I wasn't prepared for.

Many TAs in CS classes are very incapable. There are exceptions of course, but in general, it is very disappointing. Some TAs have very thick accents and are NOT able to convey ideas very clearly and in a understandable manner, even though they understand the materials. Some TAs are not even qualified to be in some CS courses. Even though many professors are very knowledgable, some of them are not able to convey their ideas clearly. Some professors do not care much about teaching and do not prepare for the lectures
well and just read off the slides.

> Most TAs were not capable teachers. It seemed like they were just students that were required to be TAs, no one seemed passionate and a lack of communication skills was way too common.

> My biggest complaint was the availability of classes in my major required for graduation. For lower division courses, this was not much of a problem. However, when I started taking upper division courses, this was much more of an issue. Most classes skewed towards being later in the day (2pm or later), with few offerings before. Also, most classes were offered MW, with very few classes being offered TR. Let's take this quarter (Spring 2015) as an example. This is the list of every single upper division CS class offered: 111 (MW 8am) 112 (MW 4pm) M117 (TR 2pm) 118 (MW 4pm) CM124 (MW 2pm) 130 (MW 12pm) 131 (MW 12pm) C137B (MW 2pm) 143 (TR 2pm) M151B (MW 10am) M152A-1 (MW 10am) M152A-2 (MW 2pm) M152A-3 (MW 4pm) M152A-4 (TR 2pm) M152A-5 (TR 12pm) 152B (MW 4pm) 161 (TR 8am) 174A (TR 4pm) 180 (MW 4pm) 181 (MW 2pm) 183 (MW 12pm) CM187 (TR 2pm) 188-1 (MW 4pm) 188-2 (MW 8am) 188-3 (TR 4pm) A few notes about these classes: -There were only 2 classes offered at 10am on MW and none at 10pm on TR: M151B (MW 10am) and M152A-1 (MW 10am). -By contrast, 6 classes were offered at 4pm on MW: 112 (MW 4pm), 118 (MW 4pm), M152A-3 (MW 4pm), 152B (MW 4pm), 180 (MW 4pm), 188-1 (MW 4pm) -8 out of 25 classes were offered TR. 2 of these were offerings for the same lab class (M152A), 1 of these was a class (CM187) with a prerequisite that few have taken. Among these 8 classes, a shocking 4 (50%) were offered at the same time: M117, M152A-4, 143, CM187. Only 2 were offered before 2pm: M152A-5, 161 (with 161 being offered at 8am, a usually unpopular time slot). Again, no classes were offered at 10am. Also, the only class at 12pm was M152A-5, which was a class that could only have 22 students enrolled at maximum. The other students could not take a CS class at 12pm. -In particular, throughout the years, the MW 2pm timeslot for classes has been extremely popular, with many class conflicts at that time. This past quarter, I wanted to take CM124 or 137B, and 181 (which I needed to graduate). All 3 were scheduled at the same time. I could not take 137B, nor could I take CM124. I know of at least two others in the same situation, and they ended up enrolling in CM124 and 181 concurrently, watching the podcasts for CM124, and attending 181. -Like for TR, the 10am and 12pm timeslots on MW were vastly underutilized. Of the two classes offered at 10am, one was a lab class M152A-1. 5 classes were offered at 10am and 12pm together. 10 classes, double the previous number, were offered at 2pm and 4pm together. This forced a skewing later of schedules for many students. My suggestions for improvement which should be clear from the above: -Offer more classes at 10am and 12pm -Offer more classes on TR

> n/a

> None

> None.

> nothing really

> Overall, I am satisfied with what I was offered at UCLA, except that some TAs were not helpful.

> Planning my schedule was slightly difficult because of the "unpredictability" of available courses every quarter. It would be nice to have a "forecast" of the next two quarters available.
Pretty satisfied

Professors and TAs sometimes don't really care about student learning. Other times, they are not knowledgeable enough in the course materials to be teaching it to us. TAs sometimes have language barrier issues.

Professors like Eggert and Cho (for Computer Science) are what make UCLA great. They push you to learn more and challenge you, but without being discouraging. Can't recommend them highly enough. I've had some TAs who struggle to lead a classroom, but I've also had TAs that have blown me away with their care and attention to detail. Angel Luis, who I've had a few times now, was a great example of that. I hope people who provide so much get rewarded for it. I don't think I've ever had a truly bad professor in the CS department, though some have felt more like they're just going through the motions. Overall I'm pleased.

Professors oftentimes were not good instructors, and TA's were not good at English many times felt like giving up

Professors were often good, but TA's were extremely variable.

Satisfied overall. Some TA's and class availability could have been better.

So many horrible TAs...

Some instructors did not teach the material well. Some instructors and TAs alike were not adequately invested in student learning. Finally, some exams were rather unfair (especially those that did not offer partial credit).

Some of the classes in the CS department were too theoretical and not practical enough. At the undergraduate level, it's important to teach students the value of what they are learning before delving into more depth. Professors in the CS department overall were not very strong teachers. TA's ended up being the people who connected with students the most and in my opinion, seemed to care about students more than the professors. I understand UCLA is a research university, but professors should be held to high standards when it comes to teaching. If the bulk of students score 20% on a midterm, that doesn't just mean that the midterm was hard. It means that the professor inadequately prepared students. Some seem to care more about the scores they give out than the content they cover. The curriculum at UCLA Engineering is slightly outdated. I think it's important for department chairs to look at schools like Cal Poly SLO for example and see why engineering students from that university enter industry/academia more prepared than UCLA Engineering students. UCLA has so many competitive advantages over other universities and I think it's important we use that to our benefit. We're not running the school at full efficiency, but it's definitely possible!

Some TAs were great, some were mediocre. The best ones were the ones who could present well, rather than the ones who were smart.

TA instruction for computer science is often sub par and could be better organized. Many small upper division classes are hard to get into.

TA instruction is generally not helpful, discussions are often viewed as wasted time. Discussions could be more effective if they were shorter and if TAs were better at communicating. Oftentimes, TAs are not good teachers and it is very apparent. Within CS, professors are generally highly thought of and challenge us intellectually.

The CS faculty are excellent, and I never struggled to get the classes I needed, except for lab classes (CS m152a and Physics 4bl)
> The CS major's curriculum addresses several important topics that have interesting titles. However, there are several problems. First, there are several classes that are required but really should not be. Computer Science is different from every other engineering major in the sense that the skills required are not traditional engineering skills. For instance, requiring a student to complete a full year of physics is excessive since students never use physics again in any of their courses. The second problem with the CS curriculum is that most courses do not do a good job of teaching students the important concepts to take away. There are two good approaches to teaching computer science - the first involves creating tracks that students can pursue to gain in-depth knowledge in a particular area. Several colleges such as Stanford University offer such an approach with great success. In such a system, courses may and should get progressively more technical and teach students everything required to succeed in such a field. The second approach is one that UCLA attempts to offer. It is one that gives students a broad exposure to several different topics in CS. In such a system, a university (especially one running on the quarter system) must realize that it is not feasible to teach students everything about a certain field in 10 weeks. Not only is there not enough time to cover much material, but students also tend to forget 90% of the material taught since they were only exposed to it for a short period of time. Given these factors, it is more important than ever to focus on quality over quantity. The key concepts of the particular topic along with insights into future of the field should be taught. Most Computer Science courses at UCLA failed to do this. They attempted to go far too in-depth by teaching esoteric and intricate details that practically no one except those working in the field every day would know. A significant majority of the details taught are purely knowledge based that people in industry simply look up as they work. The courses don't focus on teaching how to think about the topic and approach problems in the right way. This leads to too much cramming and hardly anyone gains any true wisdom. As a result, the major does not do a good job of preparing you to think about problems faced in the industry today and make a difference. Instead, it teaches you how to read a textbook/notes, memorize incredibly vague details as fast as you can, and then regurgitate it on a test. The major needs to be redesigned using a greater influence from the modern software industry. Most professors are far too research focused and are out of touch. In perhaps the most rapidly evolving industry in the world, this is a serious problem.

> The Engineering Ethics class is always full and hard to get enrolled.

> The professors are incredibly intelligent but some of them are just not good teachers. I encountered more than I would have liked to. Furthermore, it's sad to see how some professors are content with low averages. I was given good grades in classes where I believe I should've either gotten something lower or even failed. I am extremely disappointed and saddened to see what they aim for. If the material is known to be too dense then it should be divided into more than 1 course. After 4 years I feel like my experience was crippled because of these overly saturated courses. I know it is a very difficult problem to tackle but more can definitely be done to increase the effectiveness of the courses. CS 130 immediately comes to mind because of the amount of material we are responsible for. The average was meant to be 50% according to the professor. This is just sad in my opinion. Before the quarter even started we were expected to retain about half of the material. This same argument can be applied to several other CS courses.

> The teaching staff in the computer science department is absolutely outstanding. I will never forget Professor Eggert, Professor Sahai, and Professor Nachenberg. I love their enthusiasm and obvious love for the subject. I wish that their enthusiasm was as infectious for their teaching assistants. The teaching assistants in the computer science department (and to be fair, many other departments as well) are extremely inconsistent. I stopped attending discussion section in my Junior year and noticed that I missed nothing. I know that
many other students in the department felt the same way. Ultimately, I feel that teaching assistants are left with too little guidance from the instructor. Often they are given a perfunctory "cover this" instruction from the professor, but they are left to their own devices to fill in the details. I honestly felt that my time spent in discussion was better spent reading the textbook. Teaching assistants could be an incredibly valuable resource; the strongest teaching assistants that I had knew the professor well and regularly attended lectures.

> There is a very large range of professors, from amazing to not so great. This is also true for TAs, but for the most part within CS the professors and TAs have been binary. Really good or terrible and not caring for our education.

> There seems to be teaching standard disparities between professors. Smallberg, Eggert, Cho, and Sherstov are all examples of star-studded professors with very different teaching styles that other professors would benefit from learning from.

> There were quite a few classes that stuck out to me - CS133 (Parallel and Distributed Programming); CS137A (Prototyping Programming Languages); CS143 (Databases); CS111 (Operating Systems) Those classes will really have a lasting impact on me. They're the ones that I absolutely found the most crucial. Heterogenous computing is essential and it should be integrated into the core curriculum, and the layout of 137A was actually wonderful; people got a strong understanding of javascript while learning a lot about other languages, which really built on CS131 and drove the knowledge down.

> Too many non-CS classes required to undergrad. We shouldn't have to take 6 math classes, 4 physics, chem, 2 physics labs. They seemed like a waste of time and I never used their subject material again.

> Typically the TAs in the Computer Science department are able to do their job well. However in other departments I have had TAs disappear for the last 5-6 weeks of the quarter, TAs who will leave the class for 15-20 min at a time, at TAs who outright admit that they do not want to teach the class. TAs should be better screen in other departments. Also, it is obvious that some professors do not care about instruction at all and would rather focus on their research. This results in poor lecture quality for their classes.

> UCLA is like a jungle. Throw kids coming out of high school in there. Many will drop out and become depressed. The ones who struggle to survive will come out on top. The problem is if those people who drowned had more support, more attention from faculty, and a faculty that inspired them to succeed, they could have been successful too.

> Undergraduate TAs

> We need to provide more practical CS courses. I know that theory is very important but we need to have some more classes that are practical.

> While instruction was overall satisfactory, I found that the translation between course material to industry was lacking. I found that a lot of information I was required to learn was information I would not use in the future.

> Would be nice to learn programming with newer languages/applications.

4. Please use the space below to comment on your responses to the previous question. Feel free to make suggestions for improvement. It is especially useful to identify specific reasons for aspects where you felt dissatisfaction.
Again, TAs overall at UCLA are quite incompetent.

Baugh for CHEM20a was my first class I took at UCLA. Although tenured, he needs to be allowed to only do research and stop teaching, because he's incredibly smart, but a Terrible teacher.

Chemistry 20A seems unnecessary for CS majors to have to take. I would get rid of that requirement if possible. Also, Physics TAs were not great. It would be nice to not have physics labs as requirements for CS majors.

Chemistry Professor Gimzewski was horrible.

Chemistry was one of the worst and most useless classes I took. It was over crowded, the professor put material on the final that wasn't covered in class, I learned nothing of use, and the lectures were not geared towards first years.

For physics, the TA's material was very disconnected. Lectures, midterms, and finals were not close to concepts discussed in TA sections.

GE courses offered by the College of Letters and Science are aimed to increase our breadth of knowledge. They do not. They are easy A's you can "earn" with a night's worth of studying. Offering more engaging upper division courses in lieu of the required GE's might be preferable.

I also took GE courses in other schools (Arts and Architecture, Film and Television) which I was very satisfied with.

I did not have a very good experience with chem 20A with Prof. Baugh. I took it as a sophomore and still was struggling with what should have been a fairly straightforward intro to chem course.

I did not like having to take so many outside sci tech courses but i managed to complete them regardless.

I didn't think that the chemistry course that I took was helpful in any way. In addition, the instruction was not very good either.

I had a bad experience with my professor for Chem 20A. I know many other students struggled in that class too because the professor's lectures weren't very good at teaching us what we needed to know.

I had an awful chemistry professor and an equally awful TA for that class freshman year (20A). Other than that my experience was positive. I had some amazing math TAs. Professor Corbin (physics) and TA Nathan Tung were great.

I have no complaints about courses I took outside of HSSEAS.

I only had to take one chemistry class (20A) and the professor was Felker, who was highly unsatisfactory. Frankly he was rather rude to the class, and exams contained material that was not in the scope of the textbook or the homeworks. Instructors and TAs in other subjects were fine.

I thought the Physics course I took (1A and 1B with Professor Corbin) was too theoretical. As such, it was hard to tell if I learned anything by the end.

I took several chemistry classes. They were all mildly unsatisfactory except for one class which was just horrible. The professor received many complaints and the department took appropriate action. The other classes were pretty good. I had an amazing Physics professor.
In general I would think that raising the bar on required English proficiency would be preferred.

Instructors and TAs were, for the most part, adequate. However, some professors tested on topics completely irrelevant to what was taught in class.

It was here that I learned to dislike and avoid math classes, albeit the fact that I worked with the UCLA Math Circle for 3 years. Too much of a focus on big tests (30% to 40% of the grade in a 1-hour or 2-hour test??). There should be a lot of smaller, more frequent quizzes instead. Most students end up going on websites or other colleges' online podcasts to learn the same materials.

Lecturers for the Math 30 series were/are REALLY bad. Corbin continues to be one of the best physics lecturers.

Many upper division mathematics courses assumed too much previous knowledge.

Math and Physics professors are extremely hit or miss. Some are very good, and others are extraordinarily bad, however the number of extraordinarily bad professors far outweigh the good ones. If you get lucky enough to find a decent TA you can get by without having to devote tens of hours a week to individual study, but this is rare.

Math teachers vary wildly in their quality, mainly because of the high turnover rate. Prof. Killip was a happy exception. The TA's were super, especially Stephanie Lewkiewicz. Physics teachers (I didn't have the pleasure of taking Prof. Corbin) felt disconnected from teaching undergraduate students. The GE's I have taken have been wonderful. Again, because I asked around for the best teachers and most interesting GE's, it was a good experience.

One of my physics TAs' disappeared 5th week and was never replaced.

Overall, my instructors from College of L&S cared much more about student learning than my engineering professors.

Physics is not required for success in the Computer Science industry in 99 out of 100 cases. It does not make sense to require students to take it for a full year.

Responses are similar to above. There is not enough "out of class" help. Office hours often conflict with other classes or are very crowded.

Some professors do not seem to care about teaching introductory courses, an only care about their research.

TA's were generally good but when they weren't I spent that discussion time to self study on my own.

The bad response for Chemistry is because my only class in the subject (Chem 20A) was taught by professor Baugh. He clearly cared about the material, but it was not a good experience. My positive response for Physics TAs is because I had one of the more
interesting TAs I've run into at UCLA in that class. I don't remember his name exactly, but he really cared a lot about the class, organized material well, and had little gimmicks each week to encourage people to show up.

> The Chem 20A I took was somewhat confusing after the quarter, and since I was majored in Computer Science, there is no use for chemistry, so I forget most of it after that quarter.

> The only physics instructor I took was Brent Corbin, who was fantastic. There were some awful professors in the 30-series for math. Pak for Math 61 was great.

> There are some good professors and TA and some bad one. Overall it was okay.

> There may have been too much of a breadth requirement for CS. I don't think you need to take so many random chemistry/physics classes for a computer science degree. Maybe we could have been required to do more math classes or have some more lower level CS classes that students could take.

> They were okay.

10. If you answered "Attend graduate school in engineering" in question #9, please identify the university if known and then go to question #11:

> Carnegie Mellon
> Carnegie Mellon University
> N/A
> None
> Not known
> Not known
> Stanford University
> Stanford University
> UCLA
> UCLA
> UCLA
> UCLA
> UCLA
> UCLA (ESAP)
> University of California, Los Angeles
12. If you answered "Attend medical school" in question #9, please identify the university if known and then skip to question #16:
> N/A
> None

13. If you answered "Attend law school" in question #9, please identify the university if known and then skip to question #16:
> N/A
> None
> Santa Clara University

14. If you answered "Attend other graduate/professional school" in question #9, please identify the university if known and then skip to question #16:
> N/A
> None

15. If you answered "Other" in question #9, please explain:
> Either Graduate school or a job in the US / India
> N/A
> Start up!
> Work for my own startup
> Working in industry

19. If you have you been hired by a company, please specify the name of the company:
> Airbnb
> Amazon
> Amazon
> Amazon
> Amazon
> Amazon
> Amazon
> Amazon
> Amazon
> Google
> Google
> Google
> Heavy Iron Studios, Inc.
> holidale.com inc
> IBM
> IBM
> Intel
> J.P. Morgan Chase & Co
> Jumpcut Studios
> LinkedIn
> LinkedIn
> LinkedIn
> LinkedIn
> LinkedIn
> Locent
> Microsoft
> Microsoft
> Microsoft
> Microsoft
> Microsoft
> Moxtra Inc.
> N/A
> NetApp
> Netherfire Entertainment Inc
> no
> none
> Northrop Grumman
> Novacoast Inc
25. Please comment on the benefits you received from OASA advising and feel free to make suggestions for improvement.
Advising was very helpful in helping me plan my 4 years.
Alina Haas was a great help in planning my double major and was always happy to meet and talk through things with me. The front desk people, especially Cynthia, were very welcoming and knowledgeable. The other counselors, not specifically CS counselors, were not as helpful, so I would recommend to students to get to know one of the counselors in their department and stick with them throughout their time at UCLA.
Alina Hass is a beast. Super nice, helpful, and knowledgeable.
Alina Hass was very helpful. She tried to help me figure out which classes to take when there were a lot of conflicts.
Alina was very helpful in person in planning classes and making clear the requirements. Counselors never replied to my e-mails even when I CCed all of them and included my UID. It was much more helpful making an appointment for with Alina.
Always very attentive. Ms. Haas had all of my degree requirements printed before our meeting which was extremely helpful.
Counseling resources at 6426 Boelter Hall are really good. Fantastic even. Most counselors know exactly what they are talking about and make you feel extremely comfortable. They give students the sense of control that they were starting to think they had lost. They have helped me with everything ranging from planning my courses to starting my own side project. However, occasionally I have been paired with student counselors who claim to "know a little bit about everything". They are simply horrible. They know too little about anything to help you in any way. Everything they know can be found with the help of Google within minutes.
Counsellors were very busy but tried to make themselves available.
Every time I get confused and go to boelter 6426, they can always help me and clear all the questions I get.
Good course planning
Help me transition and to get back on track with my classes. I would not have graduated without Alina's help
Helped with petitions, graduation help, and figuring out classes.
I always felt very comfortable coming into the office. I had appointments at least once a quarter ranging from class planning to more sensitive issues of sexual harassment/discrimination. I always left with all of my questions answered.
I always had a positive experience with Alina. She processed my paperwork in a very timely manner, especially when I had multiple petitions to be processed.
I felt like the drop-in advising hours were especially helpful, and I think that adding more drop-in hours throughout the week would be helpful to students.
I got a look at DARS freshman year and learned how to use it to plan my classes. I think that they do a good jobs catering to our needs.
I hope the counselors will not look down the transfer students!
I just felt more on track and reassured
I mainly received advising from Alina Haas in my time at UCLA. It was, without fail, superb. Please don't lost her, she's a boon to CS students.

I think going to OASA advising would have been beneficial had I gone to it earlier (first/second year), but I didn't really know much about it or the benefits of it. It would have been helpful to have a mandatory or highly encouraged meeting with a counselor around the end of the first year to make sure students understand their general plan for classes and the benefits of checking in with a counselor yearly.

I think it would be beneficial to allow students to sign up for appointments online.

I thought it was great, really reassured me that I was on track and doing things right. College is a big change from being assigned courses in high school and being immediately notified if you are off track. I've always walked away from talking to Jan knowing exactly what needed to be done.

I was frequently advised by Erkki and Michel, thanks to them both for all the help.

I was very happy to have my catalog year changed to a later one, in order to reduce the number of computer science classes required to graduate. This allowed my schedule to not overflow a single class in the last quarter.

It was helpful regarding degree requirements and graduation. Walk in counseling is very convenient.

Michel Moraga was an excellent point of contact for me. I really felt like she supported me in all endeavors including and especially my education, even in times when I was not performing up to the expected academic standard. I have also had the pleasure of working with several other HSSEAS counselors for 3 summers as a New Student Advisor with UCLA New Student & Transition Programs, all of whom were extremely helpful (most notably: Jan LaBuda, Erkki Corpuz, and Azadeh Moayeri).

My counselor was excellent and very knowledgeable, no complaints.

N/A

n/a

None

OASA advising was a great resource. They prepare so much prior to the meetings and they know the answer to almost all your questions. If there is anything that they don't know, they get back to you with an answer as soon as possible. I am really grateful for what they have done and they really helped me succeed at UCLA.

OASA has generally been very helpful and I appreciate the service they give. There was one instance, however, when I was given the wrong advice that I was able to drop a class and only have to take three classes each quarter until graduation, but later found out that was untrue and I had to take an extra class to fulfill my graduation requirements. Besides that one incidence, my experience with OASA has been positive.

The advisers really helped me plan my classes!
The counselors are always busy, which I can understand. What really bothers me is the front desk lady at BH 6426. She is rude and doesn't care at all. It is really hard to make an appointment with the counselors by front desk, and that is why I stop going there.
The counselors were sometimes stretched for time and could not meet for a few days which was sometimes a problem when you needed to make quick decisions.
The OASA advising was awesome, very available when needed, but doesn't intrude on our lives.
They helped me graduate on time.
They helped organized my classes and were able to have extra classes that I took count towards my major. Honestly, I can't think of any way they could improve. I was very satisfied.

32. Please identify the professor(s):
   > Ann Karagozian, Tyson Condie
   > Corey Arnold, Eleazar Eskin
   > Diana ford
   > Diana Ford
   > Diana Ford
   > Diana Ford
   > Diana Ford
   > Diana Ford
   > Diana Ford
   > Dr. Grundfest, Dr. Ho
   > Dr. Jens Palsberg
   > Dr. Kie Zuraw
   > Ed Stabler
   > Edgerton, Ozcan, Zhu
   > Fabien Scalzo
   > Fabien Scalzo, Wei Wang
   > Glenn Reinman, Robert Bilder
   > Ho
   > Lixia Zhang; Glen Reinman
   > Majid Sarrafzadeh
   > Mario Gerla
   > Mario Gerla
> Miodrag Potkonjak
> Miodrag Potkonjak
> Miodrag Potkonjak
> None
> Ozcan
> Prof. Majid Sarrafzadeh
> Professor Alwan, Professor Taylor
> Professor Chih Ming-Ho, Professor Fabien Scalzo
> Professor Miryung Kim
> Professor SongChun Zhu
> Professor Warren Grundfest
> Randall Rojas
> Reinman, Friedman
> Richard Korf, Kirk Lohmueller
> Roel Ophoff
> Sarrafzadeh
> Stott Parker
> Todd Millstein, Jens Palsberg
> Vassilis Angelopoulos
> Wei Wang

33. How did you first find out about this(these) research opportunity(opportunities)?
   > A classmate was doing research with him.
   > Advice from Prof. Yuval Tamir to look for research opportunities.
   > CEED
   > Class cs145
   > Class: CS188
   > Contacted by professor/Bruinview
   > Contacts through friends in the Linguistics department
Email and postings on the boards in Boelter
Email via the engineering listserv
Flyer
From a classmate, Christopher Shaffer, who later functioned as the Project Manager of ELFIN.
Google search
He asked me if I wanted to do undergraduate research with him.
I am part of UCLA CEED, so I took Engineering 87, which involved doing research in a professor's lab.
I approached them about research
I asked professor
I looked up professors at UCLA doing research in the field I was interested in.
I started out with the Undergraduate Research Center with Professor Edgerton in the neuroscience department. After that, I heard about research from classes (Ozcan) and through my own interest in their research (Zhu).
I was offered research after performing as the top female in his class. The top 4 students were all offered research.
Inquiry in person
Internet
Mass e-mail sent out to CS students; faculty advising
None
Professor Ford told me about it.
Professor Potkonjak reached out to me and asked if I would like to do some research.
Reinman sent out an email for research opportunities.
She contacted me.
She mentioned in class.
Spoke to the Professor
Talked to professor about it during advising session
talking to the professor
Talking to the professor after class.
Talking with my professors
TAs, friends
The TA sent email to look for research assistant in his lab, so I applied.
> Through communicating with TA about opportunities
> Through talking to Professor Eskin, my faculty advisor
> WHI Summer Program at UCLA

34. Please use this space to comment on the benefit of your undergraduate research opportunity(opportunities).

> Access to tools that I would not have been able to use otherwise.
> First hand experience in NRL prepared me well for the advanced graduate study.
> Gave me exposure to CS in very different fields.
> Gave me great multidisciplinary experience, and helped me figure out what I wanted to pursue(changed majors from EE to CS).
> Aside from the knowledge gained, it was important for my resume and gave me technical challenges to discuss in interviews.
> get involved in some subject deeply
> give me some view outside of class
> Got familiar with the experimental phonetics.
> He was a good mentor and was challenging.
> I didn't do much. I worked with a partner and we wrote a small program that did some linear programming.
> I got a lot of really unique experience with medical robotics and had fun doing it!
> I think the most important thing for me was that it gave me confidence about my ability to apply knowledge from my classes and from the outside world to complete a task that other people relied on me for. This was more motivating for me because my work wasn't going to be graded, but it was going to be used, and people's work relied on mine.
> It allows me to see into what others have studied and developed in the specific topic.
> It was an outstanding experience and led me towards a research path on graduation. It was one of my best decisions.
> It was extremely helpful in broadening my understanding and skill set
> It was great to be able to work on real world problems with a diverse group of people
> It was interesting experimenting with equipment I wouldn't normally get to use in classes. It was also useful having one on one time with my professor.
> It was interesting to experience a side of engineering that was not industry
> It was useless
> Learn how to apply what I learned in class in other disciplines
> Learned more how theoretical concepts apply to real-world applications.
> Learned new technologies and got experience in making stuff that might have a big impact.
> Learned things outside of curriculum, talked to professors.
> More needs to be done to inform interested ungrads about research opportunities. Some form of job posting would be appreciated.
> None
> Still in progress.
> The opportunities are there, but often, the work is not too interesting since we're undergraduates.
> They were amazing and I learnt a lot
> This was beneficial because it gave me experience working with a team to perform research.
> Useful because it helped me see what being in grad school/academia was like, and helped me decide whether or not I wanted to pursue that career path
> Very fruitful. Understand the disciplines in research and gain much knowledge about the topic I was researching
> Worked on 3D model search algorithms, worked with lot of graph algorithms (to decompose parts of the model, polygon reduction to increase performance, etc).

35. Please list any publications/presentations/awards during your undergraduate studies from research.

> "Immunochromatographic Diagnostic Test Analysis Using Google Glass" ACS Nano
> Current research paper being written under professor Tyson Condie
> N/A
> N/A
> N/A
> N/A
> N/A
> N/A
> NA
> No papers
> None
> none
> None
> None
> None
> None.
> None.
> NSF REU
> Presented the power subsystem of ELFIN to the United States Air Force Research Labs for project funding and approval.

36. **How well did your program prepare you for research position(s)? Please provide details, such as topics from courses.**

> Courses related to operating system and networking helped me a lot on preparing the research.
> Coursework was not helpful
> CS 32: Data Structures and CS 180: Algorithms helped prepare me for research
> CS118 with professor Gerla provides me solid foundation in computer networks.
> CS174b, CS199, CS188 (3D real time animation), CS170a had flexible final projects that made me find a problem, read papers to learn about the field, and figure out how to solve it.
> data mining course (CS145) helped
> Data structure.
> Decently well. Learning VR and new game engine software.
> Grammars in CS181
> I work in the labs of professors I had, their courses preped me fine. It is ridiculous that CS researchers are required to participate in the lab safety test considering none of it was relevant to my work
> In progress.
> It did a fairly good job but I had to do a lot of learning on my own specific to my research
> It didn't it was my first quarter
> It only prepared me to collect data from experiments.
> It wasn't really applicable since the 'research' was just making an virtual reality video game.
> Linear Algebra
> My coursework in 35L was the most helpful to me, as I ended up using a lot of shell scripting in my research.
> My program gave me a basic introduction to tools I needed for research, but a lot of the learning was done on the job.
> N/A, my research position used skills I taught myself before college.
> None
> Not at all
> Not at all, I couldn't handle my first research position.
> Not much. Besides the coding experience, everything else had to be picked up from scratch.
> Not very well. Besides the bioinformatics courses, the classes I took weren't very applicable to what I did in lab. CS 111 did help me understand the lab's file system though.
> Nothing to do with computer science program.
> Parallel computing from CS33 was related to the research with CUDA.
> The basic electrical engineering knowledge was crucial (EE10 and some of EE2), but I had to learn a great deal of information (batteries, solar panels, orbits) on my own outside of coursework. I was not "prepared" but this is due to my early acceptance into the ELFIN program.
> The program has the flexibility to allow me to take the necessary classes. I was able to take statistics and psychology courses, which are essential for doing research in machine learning and computer vision.
> Very well

38. Please explain why you did or did not sign up for a 199 directed research course.
> Because it counted as a CS elective
> Because it was a great opportunity to learn an up and coming technology of 3d Virtual Reality. The research helped me decide what I want to do after graduation
> Because we needed a structured approach to the research.
> Credits
> Did not need the units
> Did not want to go over unit cap, in the case I wanted to take other courses not required for my major (i.e. Japanese language)
> Didn't really know of it.
> I did not have the time in my schedule.
> I did not understand the requirements for 199 research, and my hours at ELFIN varied greatly week to week and quarter to quarter.
> I didn't know what kind of work it involved.
> I signed up to get credit for the research I was doing.
> I wanted course credit to allow me to take less classes and better focus on research. The times I did not were when I did not believe I had room in my schedule proportional to a class to participate in research.
> I wanted more time to work in research, and I felt that it was a great learning experience for me. By signing up for 199, I gave myself credit for my work and also allowed myself to take less classes so I could spend more time on the research.
> I wanted to receive course credit for my research.
> It was LING 195.
> My professor encouraged me to.
> My schedule was full already, and I wanted to focus on my schoolwork without adding the extra obligation
> None
> Not interested
> Not required
> Prepare myself for future research.
> Professor contacted me.
> This is what I was directed to do.
> To complete a CS elective and to ensure that I dedicated myself to the research.
> To count as elective credit
> to get credit
> To get credit from the course which satisfies elective requirement of my curriculum
> To receive CS upper division elective credit
> Too busy to deal with required courses.
> Too much bureaucracy when I didn't need credits. I figured it wouldn't make a difference.
> Too much effort
> Too much overhead. By the time I completed all the req's to sign up for 199 the period to sign up had already passed.
> Wasn't working enough to justify it, not sure what the benefit would have been
> Why would I

41. If you selected "Other" on the previous question, please enter the name of the company:
   > A10 Networks
   > Adaptiv.io
   > Akaon
   > Amazon
   > Amazon
   > Amazon
   > Amazon
Amazon
Amazon
Amazon Lab126
Amazon.com
Amazon.com
Apple, Inc.
Applied Medical Resources
Bally Technologies
Baoku Online
Biddingo.com
BlackRock, Inc.
Bloomberg
Box
CCLE
Cloudera
DirecTV
Directv
DIRECTV
Dreamworks Animation
eBay
Ebay
Enplug, Inc
Ericsson
EZMCOM, WhatsApp, Facebook
Facebook
Facebook
Facebook
Facebook
> Palantir Technologies
> Quality Systems Inc
> Riot Games
> Rockwell Collins, Inc
> Rubicon Project
> Salesforce
> Sansay
> SAP
> ScaleLab LLC
> SchooLinks
> SellSimple, Inc.
> Shape Security
> SpaceX
> Specific Media
> Symantec, intel, Facebook
> SyncUp
> The Veloz Group
> Tradesy
> Tradesy
> Treyarch Studios
> UCLA Health
> Venstar
> Verimatrix
> Vimeo
> Walt Disney Studios
> wireless media
> Workday
> Workday, Inc.
What was the specific title of your internship position?

- Android Developer Intern
- application developer
- Associate Applications Developer Intern
- College Technical Intern
- Developer Intern
- DevOps Engineer
- engineering intern
- Engineering Intern
- Engineering intern
- Engineering Intern
- Financial Software Engineering Intern
- Forward Deployed Engineer
- Front End Web Engineer Intern
- Game Development Intern
- Instagram Android Developer
- Interim Engineering Intern
- Intern
- Intern
- iOS Development intern
- IT Analyst Intern
- Junior Software Engineer
> Junior Web Developer
> Lab Tools and Automation Intern
> Live Programming Team Intern
> Network Operations Center and Database Operations Intern
> None
> Performance Engineer - Search Division
> Product Engineer
> Product Manager
> Production Engineer Intern
> Programming Intern
> Programming Intern
> QA Engineer Intern
> Quality Assurance Intern
> Scientific Active Equity Group Intern
> SDE
> SDE
> SDE Intern
> SDET
> SE intern
> Security Technology and Response Intern
> Security Technology and Response Intern
> Social Media Intern
> Software Developer
> software developer
> Software Developer
> Software Developer Intern
> Software Developer Intern
> software developer intern
> Software Engineer Intern
> Software Engineer Internship
> Software Engineer, Intern
> Software Engineering
> Software Engineering
> Software Engineering Intern
> Software Engineering Intern
> Software Engineering Intern
> Software Engineering Intern
> Software Engineering Intern
> Software Engineering Intern
> Software Engineering Intern
> Software Engineering Intern
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> Software Engineering Intern
> Software Engineering Intern
> Software Engineering Intern
> Software Engineering Intern
> Software Engineering Intern
> Software Engineering Intern
> Software Engineering Intern - Mobile & Emerging Products Team
> Software Entrepreneurship Intern
> Software Intern
> Software Intern
> Software intern
> SQA Intern
> STAR Intern
> STAR Intern
> STAR Intern
> STAR Intern
> SQA Intern
> STAR Intern
> STAR Intern
> Technical Director
> Technical Support and Services Intern
> testing engineer intern
> Undergraduate intern
> Web Designer/Developer Intern
> Web Developer
> Web Development Engineer
> Web Development Intern
> Web Development Intern
> Web Intern

47. Please provide the professional responsibilities of your internship and describe your role within your professional team.

> â€¢ Research and develop effective marketing strategies for SellSimpleâ€¢ a mobile application enabling users to sell anything in under a minute by creating a personalized item listing which the application subsequently posts to eBay, Craigslist, Facebook, Twitter, Pinterest, and LinkedIn as well as sends out to the userâ€¢s contacts via SMS text message and e-mail â€¢ Recruit a
team of hustlers whose weekly schedules and promotional endeavors I am to personally manage

- Developing app for iPhone and iPad for a start up company in the area of business communication - Interfacing with users Address book and contacts, creating a chat interface - Working with storyboards, iOS 8, Cocoa Pods, and a MySQL backend - role: main iOS developer

- Network, server, hardware inventory and deployment for new movie productions - Configure network and wireless network setups for new productions - Train accounting departments with scanners and scanning software management - Create manuals on how to set up and install the software - General IT Help Desk Support: take calls from clients based at the Studios, Walt Disney Animation Studios, and ABC - Troubleshoot Mac and PC issues, iPad and iPhone configurations - Research and test new software: prepare reports for Disney Studios IT management after researching and testing new and potentially more cost-effective alternatives to current studio software

- 12 week long project to improve the search performance analysis infrastructure.

- Algorithm development for radar simulator

- Assist the Infrastructure team in anyway I can, primarily more system admin stuff, but basically help keep the company's infrastructure up and running and help the company scale

- Build out robust data infrastructure tooling and metric reporting systems

- Built a feature

- Collaborated with a team to develop communications software for military land vehicles and aircraft. Designed and programmed new dialog feature for UI using HTML5 and CSS3.

- Communicate with game production team and give helpful advice for improvements

- Construct a mobile security tool

- Create a proof of concept with another intern that is now being turned into an actual product.

- Create programs and participate in various projects to fulfill the needs of the team

- Creating a search platform specific for the company's needs.

- Creating components for a couple different software projects.

- Design web pages and tools for development

- Designed a landing page for their future websites. Participated in the development of products and strategies for upcoming endeavors.

- Designed UI and did some backend to automate one of DirecTV's existing scheduling systems. Worked in a two person team in designing the project, programming the project, and presenting the project to the rest of the team.

- Designing and building internal applications, forms and web pages.

- develop a website as a full stack engineer
> Develop tools needed for specific tasks. I was just the engineer.

> Developed a Windows 8 Modern application in XAML and C# to replace web-based front end for tablet use. Communicated with customers, developers, and management to create specifications and requirement documents.

> Developed an internal web application for their flagship product

> Developed android application, maintained many internal and external web applications.

> Developed the Instagram Android app. Created and prototyped new features, fixed bugs, and reimplemented the Photomaps section.

> Developing software and providing demos to my team to prove certain concepts regarding new technologies the team would be working with.

> Developing specific modules for the software

> Development and operation of a large scale distributed file system. Consulting and deployment of new clusters with other teams within the company. Development and operations specialist.

> Fix bugs

> Fix bugs and design/architect/implement new features in the codebase and attend group meetings and studio design sessions. I had a single manager who I reported to who assigned tasks and checked-up on my progress, though I also worked as part of a larger, focused team.

> General hands on deck software engineer.

> Given mock up images of websites, create live versions (usually animated). This usually involved research into new javascript libraries and frameworks.

> Go to team meetings/presentations; daily recap of what I did the previous day. Write design documentation and implement projects. Take responsibility for functionality I implement; improve services from feedback.

> Help improve their products with my JavaScript knowledge.

> Helped create PHP tools for my bullpen

> Helped develop database reports using ABAP

> Helpful debugging tools

> I developed a software service that got shipped to production by the time the internship was over. I was expected to do this while communicating with the rest of the team, and learning about other aspects of being a software engineer at Amazon, even if as an intern I wouldn't be performing them.

> I developed GUIs and various tools for their software team, which largely worked on legacy code, making it difficult to learn content that is relevant outside the company.

> I developed internal interfaces for developers to test production software.
I had my own project and was responsible for completing it by the end of my internship to present to shareholders and higher managers who wanted my project implemented.

I had none. My first day was spent in confusion as no one came to introduce themselves or pick me up from orientation. Eventually I found my way to the office from the orientation building, where no one was expecting me or even knew that an intern was coming. I had no computer until the end of my second week, when an employee left and I was told offhand that I could use his cubicle and computer. I was completely ignored throughout my time at the company. My manager spoke to me a total of three times and was constantly in meetings. She never answered my emails or delegated anyone to answer my questions. Engineers in my team would occasionally give me a small task, generally something simple like writing a makefile or a build script for their system. I usually finished these quickly and was left with a lot of time looking for more work. I tried my best to find things to do and ways to contribute. I was given large manuals for systems, often thousands of pages long, and told to read them; I did my best to make my way through these. I found a test lab, explained my situation to some of the engineers there, and got some experience running simulations when they were not too busy to show me around. I ended up going to random meetings and introducing myself to people in the company just because I thought someone might have some grunt work to do, but most of the meetings were so technically abstract that I simply could not contribute in any meaningful way without significant ramp-up time. None of the employees had the time or will to aid me in this ramp-up process, and there were no documented guides towards understanding the various systems and setting up a development environment other than thousand-page printed manuals with hundreds of cryptic acronyms.

I had to design and test a mobile app making web app

I helped maintain and improve an existing web application.

I helped maintain the web application that is used by the company's clients. This was a start-up and they had previously hired some pretty shady developers, so there were a lot of basic problems like passwords stored in plaintext, bad database structure, etc. I did front-end work (made the presentation of the app look better), did code refactoring, helped implement some new features, wrote shell scripts for daily backing up the database, system maintenance of software packages, automated invoice generation with a PDF library for PHP.

I owned a software component and worked with my team to develop the general decision all the way into testing and production. This involved attending the weekly meetings and discussion my work and the work of others with the group. I additionally taught a new hire class.

I prototyped an Android tablet application for the company myself.

I spent the first summer working closely with a senior member of the Test Engineer team as I enhanced the testing library for my team and developed a tool for monitoring the health of my team's product. I spent the second summer retrofitting a legacy system with metadata which would allow for accelerated debugging of system failures. During both summers I was treated as a full time employee and was given responsibilities and held to expectations similar to the other engineers on my teams.

I was a software developer that worked with animation artists to develop new tools that helped them improve their workflow and innovate their techniques.
> I was an SDET intern, but actually doing SDE jobs because our team was on transition at that time. Most of my work involved data collection and analysis.

> I was assigned the task of making games.

> I was brought on as an intern, but functioned as the local development lead. Responsibilities included backend and frontend web development, developing security standards, image optimization, and data collection on user behavior.

> I was building a test application that had almost no use.

> I was in charge of adding support for a specific type of barcode (called Code 93) for printers. I had daily discussions with the team on my progress.

> I was involved with testing software before it was shipped out to the customers

> I was placed on a team of software engineers. I helped with various parts of the organization over my three years (Metrics, Programming simulations, Testing, Database management)

> I was placed on the Growth Team at LinkedIn which was responsible for increasing the website's user base and retention ratios. It was a fantastic experience. I was required to build certain features to create viral growth loops - such as presenting users with a list of close contacts to connect with. I used a variety of modern, sophisticated technologies. I was treated almost exactly like a full time employee (the only differences were to my own benefit) and worked closely with the rest of the team to meet our goals.

> I was responsible for coding multiple features of the company's online game platform, on both the front and back end. In the team context, I was one of the programmers which build the features and ideas made by the designers.

> I was responsible for identification and fixing bugs that were identified by customer support (primarily). My other major responsibility was the design and implementation of software features dictated by the company.

> I was responsible for locating/fixing bugs and implementing new features in a video game.

> I was responsible for writing the code for the crew audio module. This involve embedded software in C++ and some assembly for an ARM processor. I was on the platforms team and we each worked on separate projects and met weekly to talk about things we were working on.

> I worked at Symantec part-time for 6 months and full-time for 3 months in the summer. I was working on basic internal tools during my part-time stint and an actual substantial project in the summer. I was assigned a great mentor and had a wonderful team.

> I worked on a couple projects for Facebook's newsfeed.

> I worked on writing integration tests for ZooKeeper as part of the test team.

> I worked with dev environment setup and with a SharePoint site. Though I felt that they were meaningful tasks, I don't think they prepared me well for work as a software developer.

> Implement a feature for Google Classroom.

> Internal product prototyping and bug fixes. A software engineer that was basically integrated into the team.
It was a software development internship, and my responsibilities included writing software for one of IBM's Big Data enterprise products. I was given a project at the beginning of the summer and worked with a mentor to complete this project by the end of the summer.

- maintain and develop new functionalities
- Make a web app
- Manage and ship an internal tool while working on a team with two other interns
- Mobile and Web application development
- Mobile client intern

My responsibilities mainly involved solo-work on redesigning a public-facing JPL website; I used Python and Apache Solr to parse and index Earth science ontological data, and D3.js to build a PHP-based Drupal module that allows users to interactively visualize the data in order to explore and understand its complex relationships.

Not choosing to disclose.

> OLaunch: Work on creating websites for clients using Wordpress, and also contribute to product creation brainstorming sessions.

Ace Gaming LLC.: Work on a website to handle sales

- Personally responsible for developing key features of my team's product.
- Program applications used for research in new security methods. Test existing code.
- Pushing code to production across the stack for a new tool/website that the team was building.
- Researched neural networks and their applications to Symantec's classification system.
- Responsibility over major features, minor features, and maintenance of a project

> Software Development

- Testing live applications. Working alongside other employees. Learning and understanding the system flow of satellite television.
- Used Apache Spark to create a data platform for searching shipment data by product number, date range, and other parameters

> Web Development Lead, Scrum Master

> Work 40 hour weeks. I was assigned a project along with another intern to build an internal website for Amazon Lab126. We were on a team with full-time engineers who all had an interest in the project. My role along with the other intern was to develop the website, and we regularly communicated with our team members about our project.

> Work on internal software and develop new services

> Work towards completing weekly code sprints.

> Worked as a developer on an app dev team. Expected to make real contributions to the team while learning and getting up to speed with everything.
> Worked on a large SQL database, went through code review, learned and applied basic machine learning to real data
> Worked on different teams so I performed different tasks. I worked on finding defects, writing test tools, porting software to different platform, using/maintaining Virtual Machine Images and Web development.
> Worked on group projects every week for different activities that the sales and systems engineering department needed completed. This included creating presentations for the sales and systems engineers, competitive analysis. Presented the results of these activities every Friday.
> Worked on independent projects for the team my mentor worked on. Collaborated with other engineers and teams as necessary.
> Worked on the main application and pushed my changes into the main product
> Worked on various internal programs and web applications used by other employees within the organization.
> Worked with business and design teams to create mockups and implement new product.
> Working within a team to develop software testing infrastructure, software tools and more
> Write a program to handle a specific problem in the company.
> Writing code for experimental set top box designs. Within my team I went to many meetings both to present and observe.
> Writing new software Design technical specs Meeting with clients
> Writing out test cases

48. What type of skills do you feel you were able to develop during this internship?

> "people-skills" - being able to communicate to different groups of people about the same situation (ie, explaining a set of problems to a non-technical group, and the same problems to a highly technical group
> Ability to write design documentation/other documentation of a complete product. Working on a team. Ability to find and choose tools needed to implement projects.
> Android development skills and git skills.
> Android development, generic development practices, version control, team communication
> Application development, full stack
> Better development of working in groups and presentation skills.
> Better self learning and designing projects for long-term work
> Better software engineering practices.
> Both programming and soft-skills
> coding
> Coding and design
coding, designing
coding, experience
Coding, presenting to management/technical employees, working on a semi-large project.
Communicating with superiors
Communication
Communication in software, better programming skills, and more knowledge of the industry
Communication skills Industry exposure Organization Promptness Responsibilities
Communication skills, primarily opening up quickly during on boarding and not being afraid to admit a lack of knowledge and ask for help. On the technical side of things, I significantly improved my ability to understand and design components that require a high degree of complexity and reliability.
Communication, Agile software development, GUI development, Working on multidisciplinary teams
Communication, Functional Testing, Test Plan Writing
Communication, problem solving, design
Communication, project development, user experience,
Communication, working on a team, working quickly and efficiently, being more ok with disagreeing with someone and working through that in a professional way
Corporate software engineering practices, management structures, code lifecycle.
Databases and programming language knowledge, especially SQL/ABAP
Debugging.
Effective communication and planning skills for working in a large engineering team, the ability to debug code (especially unfamiliar code), effectively, and the ability to plan how to integrate new features into an existing project well.
Everything, I was effectively a full-time employee with full responsibilities
Familiarity with Linux, servlet programming and getting used to working in general.
Good coding practice, coding in teams, professional communication
Good programming skills
GUI development, experience setting up a Kernel, beach volleyball
How to be a better software engineer
How to pick up different technologies with confidence. How to write better code.
How to work on a large scale project with a team
> HTML, CSS, jQuery, MySQL, system administration, PHP, code refactoring, MVC framework, Apache server configuration, phpmyadmin, presenting my work to my boss, keeping a log of daily progress

> I believe the greatest benefit from my time interning was learning "soft skills". How to communicate with a team, attend and participate in meetings, reporting progress, etc.

> I developed a range of skills in this internship. For instance, I learned how to work on a software engineering team at an internet company and picked up several interpersonal skills. I also learned several neat technologies and development techniques. Finally, I learned more about the open culture at an internet company and its associated benefits.

> I developed personal skills. I learned how to improve my communication with the team. I leaned about unit testing as well.

> I gained interpersonal skills, especially regarding experience with online conferencing and working with an international team that one might never meet face to face. I also gained a huge amount of confidence in my abilities by being given meaningful work and then held accountable for the results.

> I got much better at knowing how and when to ask for help, and also became a better software engineer by learning directly from people with years of industry experience.

> I learned how to effectively communicate with a superior, and how to be self-sufficient if I needed any help

> I learned how to function on a team with an agile methodology. I developed my ability to prioritize tasks and concentrate efforts on the most important ones.

> I learned to apply my programming course's knowledge to a real-world application. I got to see how actual teams function and how the obstacles they face are more likely to be bureaucratic than technological.

> I was able to develop my interpersonal skills and my technical programming skills.

> Independence to pursue the projects I want to without someone holding my hand.

> Interpersonal skills, technical skills.

> Interpersonal, time management, and overall software architecture practices.

> Knowledge of machine learning and engineering large reliable systems

> Leadership/operational skills, frontend web design skills

> learn the large software construction process

> Learned how to do code review and version control within a team. And also learned new technologies like C#, MVC, etc.

> Learned more programming languages that weren't taught in courses until CS143 in my 4th year here. Took part in communication and feedback during meetings.

> Learning VCS, automated testing, and agile development.

> Lots of communication and documentation skills. Some web-server experience as well.
> None
> None
> None; I hardly did any real work.
> One skill I felt like I developed was working with a very large code base. Another skill I felt I developed was learning how to work within a software engineering team.
> PHP and HTML development
> Practical exp.
> Practical work experience navigating a large long term project. Familiarity of interacting in a work environment with coworkers on these project. Experience in data mining and security at a level I hadn't learned in class.
> Professional skills and specific tasks to benefit the company
> Programming in multiple languages on eclectic tasks, working in a team environment, quick learning and adaptability, working on a deadline.
> Programming skills
> Programming skills for front end web development.
> Programming, hardware, business-oriented thinking.
> requirements gathering and documentation, programming.
> Research and learning skills, ability to work on a project from start to finish.
> Researching new libraries, data visualization.
> Ruby on Rails, Javascript
> Skills managing software life cycle.
> Soft, interpersonal skills, communication
> Software Engineering
> solidified programming skills
> Systems engineering, communication, build tools, C++ software
> Team based development, time management, git.
> Team collaboration Working with an existing code base (this really needs to be a bigger focus in a course somewhere) Navigating a workplace environment (everything outside of just coding for a project)
> Technical and interpersonal skills.
> Technical skills include open-source web development (Apache httpd, PHP; JavaScript for front-end); soft skills include project modeling/workflowing and presentation abilities
> Technical skills, communication
> Technical web and soft skills.
> The ability to work on large-scale projects with a large team.
> the engineering working flow.
> Understanding real problems and searching up for real solutions. (Real here means anything that works, unlike in academics where we aim for more elegant solutions)
> Unity/ Game development/ Programming
> Web design
> Web Development, Testing
> Web Programming, Working in agile software development environment, learning most software engineering paradigms
> Work ethic, interpersonal communication
> Work with group, research, work with new technologies
> Working with 3rd party software and security software such as metasploit.
> Working with a large codebase. Working with a group of engineers. Working on my own using the documentation and occasionally asking other team members.
> Working with a massive codebase.

50. If yes, how was that feedback beneficial to you?
> A job. In addition, I learned how to work well with a team in a production environment.
> Allowed me to learn at an increased rate and avoid many potential pitfalls
> Better estimation of time required for a task and communication status.
> Constructive criticism
> give me confidence, let me know how to imporve
> Good
> Good
> Helped me assess strength/weaknesses and improve
> Helped me learn and work harder
> Helped me learn what I was doing right and what I was doing wrong
Helped me realize the proper way to conduct myself to succeed in the workplace.
Helped me understand what areas I was weak in, and what I can improve in the future.
I already knew I was key component of the development cycle and was pushing development while maintaining a positive/optimistic attitude.
I learned a lot about my weak points.
I learned my weakness and strength.
I learned of what their impressions were and learned of where I excelled in, and what I needed to improve.
I learned where I could improve in certain technical areas.
I presented my accomplishments at the end of my internship to some people who would eventually use my project for client demonstrations. There wasn't any explicit feedback, but in general, I learned more about JPL as a company and what kind of work is expected in the post-college world.
I received a formal review at the end of each summer. The feedback was always quite positive and encouraged me to keep pushing myself.
I tend to be a quiet person and have a hard time reaching out to people if I need something from them. My managers pointed this out to me and helped me break out of my shell by encouraging me to work with several of the most senior engineers in the company. The interaction I had with those engineers made me feel more comfortable and helped me get over my feelings of intimidation.
I was able to identify weaknesses and work on improving them.
It accurately pointed out strengths and weaknesses in my work performance and pushed me to make changes and to emphasize what I was doing right.
It gave me confidence and made me want to pursue a full time position in a similar role.
It helped me understand where I excelled but more importantly where I could improve. They gave me constructive criticism and encouraged me to focus on my weaknesses.
It outlined my strengths and weaknesses so I can improve for a career in industry.
It showed me what I needed to work on.
It showed me what my weak points were at the time.
It taught me what I needed to do and what I was doing well.
It told me what I needed to work on, which was mostly cleaning up bad habits that I picked up when self-teaching web development.
It told me what my strengths were.
It was actually harmful, since I thought I was doing well at the midpoint evaluation but ended up with poor feedback at the end, when I was mislead that I was doing the right things.
It was constant and reliable

It was encouraging to hear that I had done a good job; it helped me describe my strengths and weaknesses to others.

It was good to know that everything I was doing was correct

It was straightforward, so not much to be said.

It was very beneficial to help me complete my work

Manager told me a lot of my strengths but also gave me things I could work on in the future

My manager helped me identify areas where I needed improvement in both soft skills and technical skills, as well as performing code reviews on my commits and giving stylistic/design advice for my programming.

My manager suggests some course for me on data mining, which I think is really interesting.

My supervisor would occasionally leave comments near code that I had recently written/modified with any tips. We would talk about design choices

N/A

need to communicate more in the work environment

Okay

Pointed out how to improve and acknowledged what I knew

Really focused feedback on my performance, how I could improve as an engineer (dealing with personal skills not just technical)

Strengths and weaknesses.

Taught me about what I need to work on as an engineer.

tells me what to improve on and not improve on.

The feedback was very insightful and helped me become better. I had weekly meetings with my mentor who provided feedback on how I was doing - this feedback had to do with short term tasks. I also had a midterm review with my mentor and boss who gave me feedback on how I was developing and what I had to do to become better. Finally I had a final review where they explained to me how I developed through the course of the internship.

The feedback was very positive and not extremely beneficial, just nice to have

They just told me I did well

They said I did everything as they wanted me to and more

They said that I made great strides but need to continue to develop my presentation skills.
They said, "Good job. We would like you to continue working here".
They taught me what I was good at and that I need to work on being precise with my reports
They told me what they valued about what I have been doing and how they feel about me
This feedback was beneficial since it helped me to understand what I was doing well and what I should focus on for future roles.
Very beneficial.
Very helpful
Was very candid in where I was strong and where I needed improvement, and came directly from my manager on a weekly basis, along with suggestions on how to make improvements to my weak areas.
What I did well on and what I could improve on.
yes
Yes it was beneficial. They said I did a great job and I was a hard worker
Yes, my personal supervisor was great and provided me feedback, both on the record and over lunch. This helped me to identify weaknesses in my skill set, as well as places in which my not interacting with my team (telling them I did not understand something) contributed to them misunderstanding my efforts.
Yes. My internship resulted in a job offer.

53. If you were offered a full time position, why did you or did you not accept the position?
#51. Maybe
Accepted the offer
Accepted, offer given very early so not much time to find counter offers and I enjoyed working there.
Ace Gaming LLC: Not the kind of work I would like to do.
Another offer and wanted more different experience.
Because I dont like Las Vegas
Because I love working there and the salary was satisfactory
Because this company treats its employees well and has a good work environment
Did not enjoy the field/work. Wanted to experience other aspects of development before settling.
Don't need to worry about job hunting for the moment.
Going to my own start up!
Good opportunity to continue interesting, meaningful work
good pay, good company
> Good pay. Also eBay is a great company with good work-life balance
> Good pay/benefits, proximity to home, interest in work
> graduate school
> Graduate school
> Have other options still
> I accept this offer because I really like Microsoft.
> I accepted at another company.
> I accepted because I enjoy working for them.
> I accepted because I enjoyed interning there.
> I accepted because I love the people I work with and have an important role within the company.
> I accepted because I really enjoyed working at Google.
> I accepted because it was the only one I had
> I accepted because my team and manager were very supportive and fun to work with
> I accepted it because I enjoyed the work I got to do, the people I worked with, and the overall environment of the company
> I accepted the position because I could choose a team within the organization that fit my goals and location preferences.
> I accepted the position because I felt the work was meaningful and gave me a good introduction to the industry.
> I accepted the position. I enjoyed both summers I spent at the company and am thoroughly optimistic about the company's future given their current executive leadership. I like the kind of work they do and it aligns well with what I want out of my career. They also treat their employees extremely well in terms of giving you ownership of your work, while at the same time expecting you to perform at a high level. The caliber of the average engineer was also a big selling point for me, as getting to brush shoulders with some of the brilliant people at LinkedIn affords me some great learning opportunities.
> I am currently working as an academic part-time employee at JPL, which generally leads into full-time. However, the "offer" I received was implied and not written explicitly. I would love to work at JPL, but I also wanted to get a taste of the new and exciting opportunities in the Silicon Valley area.
> I am still considering my options with other companies, so I still need to determine what would be the best fit for me.
> I declined the offer because of compensation, and because of my unenjoyable internship experience. The pay was roughly $70,000 below market rate.
> I did because Palantir is an excellent company to learn, be surrounded by great minds, and to get exposure to tons of real-world disciplines and problems
> I did not accept the offer, as even though I liked Treyarch, I got a significantly better offer from Google.
> I did not enjoy the work itself.
> I did not like the company and wanted to work in a more software-based (as opposed to hardware-based) large company
> I did not want to live in Europe
> I did; lot of great mentorship, good work environment, good team, great offer.
> I enjoyed the work environment when I was there in the summer; the people are fun to work with and the work is challenging and allows me to apply my computer science knowledge.
> I felt that I would learn the most by going to this company.
> I learned a lot at Amazon and I think I will grow a lot as a developer there.
> I love the work I have done and could do in the future at Apple.
> I loved my project, but I didn't love what the company was working on (consumer electronics, etc). Thus, I wouldn't want to work on something like that full-time.
> I loved working there, loved Seattle, and would enjoy going back to start my career.
> I still have one more extra quarter so I will be interning at Facebook for the summer. I would definitely accept their return offer if given one.
> I wanted a job in Computer Graphics or at least something closer to my area of interest.
> I wanted to explore a more research-oriented role
> I wanted to explore other opportunities
> I wanted to try working at a tech company as opposed to a defense contractor. Amazon offered me a much larger salary in one of my preferred locations to live, so I accepted it instead.
> I wanted to work at a smaller company
> I was happy there, enjoyed the company culture, and the pay/benefits were excellent.
> I was offered a very competitive full time position. The culture at LinkedIn was fantastic and I absolutely loved my team. However, after much consideration, I felt that the opportunities available to a person with my interests (I hope to make the transition from engineering into management in a few years) are better at Facebook.
> I was severely underpaid, and the company was reluctant/incapable of providing a livable wage to most employees. The company culture was horrible.
> I'm graduating in fall and have a third internship with google wallet this summer...
> Interned there sophomore year summer. They asked me to continue working part-time through the school year, which I didn't want to do so declined the offer.
> it depends.
> It was the best offer I got.
> It's in an industry that I find interesting and relates to my major
> Looking to branch out to do other things and see new places.
> Low pay and boring team team
> My heart lies elsewhere
> N/A
> N/A
> N/A
> Not a great offer, and better options elsewhere.
> not sure right now
> Offered another job opportunity elsewhere.
> Pay was not as attractive as Amazon
> The work I did there was not that meaningful.
> wanted to stay in LA area
> Work in a field I'm interested in

55. Please explain why you would or would not recommend an internship at this company.
> A large part of the company is built around cheap labor. It depends on how desperately one needs industry experience, as SchooLinks did have alot of web traffic and great technical challenges.
> Because it has a developed internship program that acclimates students to applying what they learned in class to the real world.
> can gain experience in a low stress environment
> Cloudera gave me meaningful work.
> Cons: not as many perks as other companies, disorganized recruiter, experience depends on team Pros: real impactful projects, helpful team members, good managers
> Enplug is very sympathetic of time available during the school year and are friendly to incorporating new people into the company.
> Fantastic and flexible. Patient and overall great for learning.
> Fun and good perspective into workplace environment
> Good experience, looks good on a resume.
> Good exposure to engineering working environment
Good first experience
great company
Great company with benefits
Great company, good pay for a studio. Wide variety of tasks at the job.
Great exposure to the real world industry for computer science. Large company with fun activities for interns, ability to meet lots of software developers in the working world, ability to meet other interns who may have similar interests as you
Great learning experience, excellent freedom for students, a lot of independent work.
Great learning experience, excellent mentors, and lots of practical knowledge.
Great place to work at, lots of perks, looks great on your resume, learn a ton, work on something that impacts a lot of people
I did not enjoy the work itself. However, outside of software (i.e. EE, ME), the company may be much more interesting.
I enjoyed working there and think others would too
I feel that it's a fantastic environment to grow at a first internship where there is still a lot to do even if you haven't taken a lot of upper division classes
I felt this internship was a waste of my time. I learned no applicable skills and felt that I was given no opportunities to contribute to the company.
I think it's a great experience and Apple treats its interns very well.
I think it's a great place to intern at. You're treated very well, and actually get to work on impactful projects. Plus, as a Computer Science major, there are a bunch of other majors working as interns, and it's a great time to mesh with other engineers.
I was assigned to projects that would actually be used within the company, rather than side-projects which exist only to keep interns busy.
I would recommend a co-op rather than an internship. The company has a lot of co-op programs that are well thought out, but the internship lacked structure. The co-ops I met there got a lot of helpful mentorship and project experience that I personally did not receive.
I would recommend an internship at Symantec. They are extremely experienced with interns and are very familiar with UCLA students; they know what to expect from our level of knowledge and can design projects accordingly.
I would recommend doing internships in general at any company. It allows you to get ahead and be exposed to industry early so that you aren't intimidated your senior year to search for jobs.
I would recommend Symantec as a good place for a first internship. I had a great experience because the Mac team is wonderful. I didn't choose to return because I don't see myself working as a dev in cybersecurity industry. However, my other friends who interned there had varying experience so it highly depends on which team you are on. They need ramp up their intern program if
they wish to remain competitively attractive with other top tech companies.
> I would, but not necessarily where I interned. Maybe UI or Mobile in the same company. Great people. Great company culture.
> In short, it's one of those tech startups that is the dream to work for
> Inters get one-on-one mentoring from an experienced software engineer, and are given impact, meaningful projects to work on. Additionally, interns are encouraged to propose their own ideas designs are treated as full members of the team.
> It has a very relaxed working environment and the workers there have a lot of experience.
> It is a big company, so having experience in Symantec on your resume would be a great stuff.
> It is a start-up company where you learn a lot, but sometimes get confusing. It is not so organized and prepared for an intern.
> It was a good learning environment and the pay was good.
> It was a great environment, and a good start for an internship in the software industry.
> It was a great place to work, but located in Europe
> It was a very good environment conducive to learning.
> It was decent for what it was.
> It was fun, I learned a lot, and really enjoyed working on a product that impacts so many people worldwide (Windows).
> It was really fun. They care a lot about interns and have systems in place for making sure you have a good internship experience. The pay is also good.
> It's a big name in software engineering, and succeeding there will open a lot of doors for you. Also, my experience was very positive.
> It's a good introduction to application development and finance. You hit the ground running and learn invaluable real world experience.
> It's a good opportunity to learn for beginners.
> It's a great internship opportunity.
> It's a great place to work and be exposed to a lot of smart people from different fields and backgrounds. There is no limit to the type of work that you can do.
> It's a pretty big company with a lot of opportunities
> It's an internship. You'll learn a lot of practical skills.
> It's good corporate experience in a very good company. I might not recommend it for people looking to learn new technologies, but otherwise I have no complaints.
> It's Google
> It's hard work, but it's totally worth it, it's fun, and you get a lot of experience.
> Learn a lot
> Learn a lot and you are treated very well
> Learned a lot, great people, good location (Culver City).
> LinkedIn has perhaps the best internship program in the Bay Area. They do an excellent job of helping you meet others; gain technical and interpersonal skills; and become a more accomplished individual.
> Microsoft is a big company where you can experience a lot different things. People there are generally glad to help and guide interns.
> Most interns are given full time offers at the end of summer or are offered a second internship if they have not graduated. You are given a manager and a mentor to help you through your summer. There are also weekly intern only events that expose you to all parts of the company and let you see the big picture. Interns are also given lots of exposure to the VPs and the CTO
> Not accepting interns currently
> Not engineering as main focus of company, but rather business/marketing. Would learn people skills, but not too much on the technical side. Very flexible hours though!
> Not only did I hardly do any work, there were very few meetings between me and the company heads. They did not recognize that I didn't know how to do my job, and did not care either.
> Not that interesting
> One reason I would recommend an internship at this company is that it is extremely large, so there are many teams with many different positions to choose from. Another reason is that I really enjoyed my internship and felt that I was working on a meaningful task throughout the summer.
> Other friends have said that, and in my previous internships, the work was either trivial/quickly boring, or the code was never pushed to production. I got to write a lot of code in this internship and learn a lot.
> Perhaps it would be incorrect for me to say no, but its mostly older people working there and not as fast or as startupy as places other students would want to work at.
> Projects are very fun, and the mentors really care about you.
> Reasons listed above. Ericsson is a big company with a lot of resources, and a lot of backing, especially at Mediaroom. My project for the summer has a patent app filed under it.
> See above. It is extremely difficult work, but even moreso rewarding, and thus is the perfect internship for learning real-world skills and to help students prepare for the realities of work.
> Since the internship was on campus, it was really inconvenient to work my schedule in between my classes.
> Take responsibility for a project from beginning (design) to end (production). Experience what working at a large company feels like
yet in a small team environment. Be able to see your product being used by real people.

- The company is in Canada.
- The company is no longer doing development work.
- The company treats you the same as a full time employee. You get a good understanding of work life after school.
- The internship program is very well established, so there are plenty of interns (hundreds!) and many events for interns as well. The mentors are extremely helpful. Finally, interns get to work with some of the best engineers in order to solve problems relating to both Earth and space.
- The people, perks, learning opportunities, and leadership.
- The work I did there was not that meaningful.
- The work was tedious, security clearances were frustrating, and the general environment was subpar compared to other software engineering positions in industry.
- They are a great group that you can learn a lot from.
- They gave me a great opportunity to work on something useful that people really used which is a lot more than could be said for many. They are really great to the interns and made for a great experience.
- They give you an independent project and treat you like a full time software engineer. It's great.
- They have a good internship program when it comes to teaching interns new things, getting them exposed to the working world, and also having fun events to unite young employees. I would just recommend that prospective interns make sure they know what their position entails so they can be sure they're learning something important to them.
- They treat interns well, pay well, and give you meaningful work. A very underrated company with a new internship program.
- They treat their employees well and with respect, and the culture is very open and intellectually stimulating.
- They treat you as an equal.
- They're really nice!
- Unsatisfying work, low pay.
- Very chill vibe working there, yet everyone is focused and committed to their jobs. Great team/family environment.
- Very competitive environment that sparked creativity and pushed limits for personal breakthrough.
- Very good pay and free housing in SF. Projects are challenging though not very impactful.
- Very good technical staff, but the company is large and therefore there is a large amount of management.
- was a good learning experience.
- We were given bust work tasks that did not expand our skill set
Willing to hire students with less experience, good stepping stone to other internships/jobs.

56. How well did your program prepare you for internship position(s)? Please provide details, such as topics from courses.

> 143 - Database systems, was helpful and crucial to understanding databases. 144 - Web apps, taught some basic MVC but was not a very modernized class. None of the other classes really taught me much about web dev.
> 180, 131, 118, all helped
> Again, I learned of different tools I could use, but most of the learning was done on the job. CS 35L really helped a lot.
> Algorithms was very important, and design patterns came into play as well.
> All right.
> Besides general knowledge of programming and design that I picked up in bits and pieces from pretty much every course, nothing specifically prepared me.
> Certain courses helped (like CS 143, 144 for web development) as well as general courses.
> CS 32 Object Oriented Programming
> CS 32: Data Structures CS 180: Algorithms CS 143: Databases CS 35L: Software Construction Laboratory
> CS111, CS118, and CS133 gave me the most prep; I ended the summer doing some crazy distributed systems stuff. Deep knowledge of networking was also key for web programming.
> CS144 Databases was critical in my ability to make optimizations in the database structure and properly indexing queries. CS130 helped me integrate in to the companies SCRUM methodology.
> CS31, 32, 111, 131, 118, 174B, 188 were all rigorous coding classes. I was able to appreciate CS130 (which I took afterwards) because of the internship.
> CS31, CS32, CS131, and CS174A did a very good job of preparing me for this type of internship.
> CS31, CS32, CS180, CS130, and CS35L were all relevant and useful courses for this internship.
> CS32, CS143 and CS181 are really helpful, and CS131 just prepared me for every kind of programming languages.
> CS: 31, 32, 33, 161, 181, 130, 151b
> Databases and web applications helped a lot in building our web application.
> Despite the high likelihood of going into Android development after graduation, I did not really receive any direct benefits from my program that benefited with my internship position other than a familiarity with programming.
> From CS 143 and 144 I learned a lot for web applications, which helps me get on track during the internship.
> Gave me a strong foundation in theory and proper development.
> gave me good lessons in algorithm design, and a strong base to pick up new languages. I studied iOS outside of school
Good overall programming ability.

Good. Programming languages CS131 helped me pick up languages quickly.

I did not get to any relevant classes before I got the internship. It was only after I was able to take the courses, such as database and big data that I could have used in the internship.

I didn't know all of the technical skills in the job but I was able to learn them because of my strong foundation from courses.

I knew the language and the environment (C++ and Visual Studio). I was also familiar with version control.

I think CS31, CS32, and CS35L were the only classes that really prepared me (since I was a Sophomore at the time)

I used many of the skills I learned from CS 35L (text editors, scripting, version control). I also had the freedom to design my solutions with experience I gained from CS 31, CS 32, CS 131, (and all CS classes with programming projects).

I was very early in my curriculum but it would have prepared me well had I taken certain courses before interning.

I wouldn't say I was well-prepared for industry. UCLA CS is, understandably, very theoretical. Software engineering is much more focused on practical. I particularly was working on web development, which isn't really taught at this school. (CS 144 kind of does, but not really.) Also CS 130, which is termed software engineering, was so far from what I did. It was also a pretty useless course where I don't feel like I learned very much.

I prepared me reasonably well. As most students would probably agree, my first internship was a lot to take in, having never worked in industry before. That said, I found that the primary difference between the work I did during my internships and the work I did in school was the scale. The code I wrote in school was not meant to be run across hundreds of machines so it at first hard to properly design code to work in that sort of situation. UCLA has recently offered courses that likely would have helped in this area, most notably new offerings in CS188 (Distributed Systems, and Scalable Internet Services). It would be wise for UCLA to continue to expand its curriculum in this area, as that is the direction the software industry is going.

I prepared me well for the general concept but not the specifics (SAP)

I taught me C++ fundamentals to help me pick up other languages better.

I taught me how to program and basic CS skills (CS 31 - CS 35L), but not much more.

It was really useful especially the operating system course, CS 111

Knowledge of basic programming concepts and architecture of software platform.

Most of the skills I used to get the internship and perform came from personal projects rather than coursework.

Mostly programming projects from courses helped me. CS143 and CS144 were more helpful in particular for web development and databases.

My program prepared me for the internship in being able to recognize and adapt to technologies quickly. Courses tend to be much more theoretical than practical, but it prepared me for learning on the job.
> N/A
> Network fundamentals Computer security CS31/CS32 CS35L - usage of linux and version control.
> None at all, classes were almost useless when looking at this internship.
> Not anything specific. Just all of the classes as a whole improved my programming skills.
> Not at all, besides teaching me accountability and how to be resourceful, which are general traits you gain from the program as a whole and not one specific course or topic.
> Not much
> Not much. The CS program here is a lot harder, so I guess in a way it did prepare me. But industry work is 'demanding' in a different way.
> Not prepared, had to learn a lot on my own. But there are different kinds of internships, so the background/familiarity of C++ and code design helps in other internships.
> Not very at all.
> Not very much. Getting better at coding from classes like CS 31, CS 32, CS 111 were helpful. CS 180 was also helpful
> Not very well, I would say 90% of the things that I used at Palantir came from self-study, personal projects, and other non-course related work. (such as hackathons, outside classes/progams)
> Not very well. We never really learned PHP
> Not very, in fact the internship helped me out in terms of being familiar with Linux before having to use it in CS35L and CS111. I also learned servlet-based programming in Java using Tomcat which is what exactly was used in CS144. However CS143 (databases) did prove helpful in teaching me MySQL and learning about database systems.
> Not well at all.
> Only a few of my classes gave me practical skills that I could use in the workplace: CS 31 & 32 (coding skills), CS 35L (linux), CS 144 (web development)
> poorly
> Practical coding ability, experience with problem solving, familiarity with Linux scripting and databases.
> Pretty poorly since most of the skills, either interpersonal or technical were not taught in class or were not relevant. Majority of technical skills were learned outside of class. Perhaps the only useful classes were CS 31, CS 32, CS 35L, and CS 180.
> Pretty well. CS 130 should probably come earlier in the curriculum since you learn a lot of essential software development practices. Most people end up taking it at the end of senior year. It would have been helpful if I had taken this course a year earlier. CS 118 was extremely helpful to the work i was doing at Microsoft. CS 143 and 144 should probably be updated (especially 144), because some of the practices used in class projects are simply becoming outdated and impractical. Overall, classes that gave us creative freedom
on projects were the most beneficial. Classes that tightly scoped projects and gave exact requirements for implementation and functionality (Cho, Eggert, etc.) limited potential for learning and held us back from gaining experience designing our own software implementations.

> Pretty well. CS 31 and 32 were the most important in covering the basics, but databases from CS143 and RPCs from CS111 were good to know as well.

> Pretty well. Right after CS32 with Prof. Nachenberg, I felt comfortable enough to start working. OOP concepts and data structure in CS32 and algorithms in CS 180 were the best for preparation.

> Programming basics from CS 32 were important as well as the understanding of OS and databases from CS 143 and CS 111 were useful.

> Programming languages (cs131) helped me pick up languages very quickly. Eggert's classes taught me to break down large projects into smaller problems. Graphics and game classes also helped with breaking down large projects into smaller ones.

> Some amount, but this was more programming than just computer science. This is one place where knowing newer languages and technologies would have helped.

> Taught me general programming paradigms used for various projects

> The basics of CS 32 were very helpful in determining what algorithms/data structures to use in all of my intern projects. Just the general knowledge of computer science gained by taking many courses at UCLA also contributed to being familiar with terminology that was being used at the company.

> The courses I took at UCLA helped relatively well. I utilized skills learned from CS 35L (navigating through Linux), CS 131 (general programming principles), CS 143 (PHP and backend databases), and even CS 130 (software engineering principles).

> The CS program at UCLA did not directly prepare me for work in industry. In fact, courses which tried to be industry relevant (e.g. CS144) were woefully outdated and not helpful. Rather, UCLA CS gave me a very strong theoretical background which I can apply to any industry skill or technology that I needed or need to learn.

> The main language used was c++ so what my introductory computer science courses taught was helpful.

> The overall quantity of programming was excellent preparation. Knowledge of databases (CS161), knowledge of C code (CS111), and general programming language usage (CS131) are all critical. In addition 180 is very useful for getting through the interviews and having good knowledge of computer science in general.

> The program did not help very much for my internship directly. I did pick up on some Linux through my courses but that was pretty much all I gained from school. Most of the courses were too theoretical and did not teach how to effectively tackle problems in industry. I picked up everything that helped me in the internship on my own with like-minded friends.

> The program gives you general knowledge of a lot of broad topics in computer science. The program taught me basics but a lot of the time during the internship I was exposed to completely new technologies that I had not heard before.
The program prepared me pretty well for the internship. Learning topics such as data structures and relational databases during my coursework was very helpful during the internship. Since my team was a Big Data team, a course on Big Data would have also been helpful to prepare me for the internship.

The programming courses like CS32 and CS131 helped me prepare for the internship position.

The programming languages course CS 131 taught me several languages that I used in the internship. I used topics I learned in databases (CS 143). These courses, as well as other project-driven courses such as CS 32 taught me how to work quickly and efficiently to maximize productivity in a short time frame.

This internship prepared me for other programs because it taught me what questions to ask in the future when considering accepting a job at a company, questions such as: who is my manager? Does he or she actually know that I will be working for them? Is the company hiring interns to contribute, or simply to sit in a chair to make headcount for upper management?

This one is kinda hard to say. I supposed CS 111 and CS 151B really helped me with terms used on the platforms team on a regular basis.

UCLA did a good job of preparing me fundamentally for whatever challenges I might face with coding at Apple. Having so many projects in short time periods helped (encouraging rapid-fire problem solving and coding). Also having CS 32 with Nachenberg (with that massive game-related project) really helped, as that involved a lot of attention to detail, and fleshing out all parts of a project.

UCLA provided me with the technical knowledge.

Understood basic programming concepts, knew how to learn about new subjects quickly.

Very little from UCLA applied at the internship. Just general coding skills were relevant.

Very well

Very well, I had only taken the lower division courses before accepting the position, yet this was enough for me to learn the more advanced concepts I needed to be able to my job well.

Very well. Cs 188 CS 111 and CS 143 were particulary helpful

Well. I had a strong theoretical background in areas relevant to my assignments (networking + C/C++), as well as string programming skills and good teamwork abilities from classes such as CS111 and CS 174A.

57. We can only collect detailed feedback about one company, but if you have additional internships, please identify all of your other internship companies:

* Casting Networks, Inc. * Walt Disney Studios * Steel Sports, Inc * Naval Surface Warfare Center, Port Hueneme

* XSEDE * Shodor Education * Unified Grocers

Adobe
Also interned at a smaller company Gifts.com which trained me well enough technically and also provided situations to hone my communication skills that eventually led to my internship at Riot Games and also Symantec. Majority of skills that are beneficial to finding an internship was learned at my first internship at Gifts.com instead of UCLA.

Amazon Viasat Electronic Entertainment Design and Research (EEDAR)
> Apple, Google, LinkedIn
> Bayside Biosciences, Inc. General Intern
> Bloomnation
> Boeing
> Broadcom Apple
> Cerner Corporation (Kansas City), CD2 Software (Kansas City)
> Cisco Systems, Ubiquiti Networks
> Coverity
> Demand Media
> Exar Corporation (Summer after senior year of high school) - QA Applications Intern - would not recommend.
> EZMCOM WhatsApp Facebook
> Facebook
> FDIC - IT Management intern
> Google Bloomberg Deloitte
> Hoonto (probably dissolved).
> I had two internships and both were at Apple, but I do have one more thing to add. Have academic counselors encourage more students to do personal projects after their first year. Doing an iOS app during that time opened a lot of doors for me.
> I interned at Symantec, a startup in Seattle and CCLE at UCLA.
> I will be interning at Microsoft this summer, before I return for fall quarter at UCLA.
> In Touch Health UCSB Summer Robotics Intensive
> Inkiru, INC (acquired by Walmart Labs in 2012)
> Invensys
> JustScanIt, TapBlaze
> LinkedIn, LA Dept of Water & Power
> Locu Novacoast
> Loma Linda Hospital (Communications and Networking Services Intern)
> N/A
> N/A
> n/a
> N/A
> N/A
> N/A
> N/A
> No other internships
> No others
> None
> Novacoast, Inc.
> Okta
> OSIsoft, LLC.
> Palantir Technologies
> Pocket Gems
> Qualcomm
> Qualcomm
> Symantec (8 months). Stellarium (open source project)
> Treyarch, Symantec, Naval Postgraduate School, General Atomics
> Venuti and Associates - helped an actuarial firm change their annual report creation to be automated by a computer
> Yahoo, Starbucks
> Yelp, eBay

63. Please provide us with an email address so that we may contact you in the future. This is important whether or not you are interested in the mentoring opportunity described in the previous question. ⭐

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