

# CS Honors Project Checkpoint Report

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# Summary

- Continued development of representation scheme and encoding/decoding algorithm.
- Developed tests for benchmarking.
- Read more on artificial intelligence programming in LISP, and connectionism.

# Algorithm

- Continued development of the representation scheme
- So far, unable to derive any positive results from the chosen scheme, not sure if I will be able to solve all problems in time.
- Have appointment with adviser in April to review this approach

# Tests

- Developed a small series of tests for benchmarking
- First test, the current goal, is for the system to automatically recognize and predict a pronoun.
- Second test is for simple inference
- And so on with variations on the first two

# Research

- Further readings on AI from a few difference book and journal resources
- Primarily interested in getting more information on connectionist approaches, which is helping to solidify my approach
- Read sections of AI Programming: Case Studies in Common Lisp

# Summary

- Do not feel entirely comfortable with progress at this point, the problem seems to be too big to tackle completely
- Will be happy with being able to pass the tests as opposed to entire QA system
- Reducing working hours next quarter to make a final surge at catching up and producing a positive result

# Goals for April

- Meet & discuss with Professor Dyer
- Create a few simpler tests (easier to pass)
- Pass something!
- Start organizing/writing for thesis