

Zongyue Qin

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Education

- 2020–now **Ph.D.**, *Computer Science*, UCLA, LA.
- 2016–2020 **B.A.**, *Yuanpei College*, Peking University, Beijing.
 - Major: Data Science and Big Data Technology
 - GPA: 3.69/4 (top 5)
- 2018.9–2018.12 **Exchange Student**, *CS Department*, University of British Columbia, Vancouver.
 - GPA: 96.5/100
- 2013–2016 **High School**, Beijing 101 Middle School, Beijing.

Research Experience

- 2019.6–2019.9 **Intern**, *ScAi*, UCLA, Los Angeles.
- 2019.9
 - proposed a graph neural network based hashing method as a pruning strategy to solve the problem of graph similarity search and conducted extensive experiments proving that our method achieved state-of-the-art efficiency and scalability.
- 2017.3–now **Intern**, *Data Management Lab*, Peking University, Beijing.
 - proposed a data structure to summarize graph streams with limited space cost and constant update cost, gave theoretical analysis to its accuracy with strict mathematical proofs and conducted extensive experiments to demonstrate that it outperformed state-of-the-art methods greatly.
 - participated in the development of gStore, a graph-based data management system, reconstructed the indices of the database and reduced the delay of executing a SPARQL query by an order of magnitude. (<http://gstore-pku.com> or <https://github.com/pkumod/gStore>)

Honors and Awards

- Peking University Scholarship, 2019
- Peking University Freshman Scholarship, 2016

Publications

Zongyue Qin, Yunsheng Bai, Yizhou Sun. "*GHashing: Semantic Graph Hashing for Approximate Similarity Search in Graph Databases.*", in Proc. of 2020 ACM SIGKDD Int. Conf. on Knowledge Discovery and Data Mining (KDD'20), San Diego, CA, August 2020.

Yuyan Chen, Lei Zou, **Zongyue Qin**. "*Gated Relational Graph Neural Network for Semi-supervised Learning on Knowledge Graphs*". International Conference on Web Information Systems Engineering (**WISE'19**). Peer Reviewed

Leadership

- 2018–2019 **Vice-chairman**, *Presidium*, Yuanpei Academic Societies of Students, Beijing.
- 2017–2018 **Director**, *Academic Department*, Yuanpei Academic Societies of Students, Beijing.

Volunteer Service

- 2017.3- **Recruiting Volunteer**, *Peking University*, Beijing.
- 2017.7 helped school recruit students, offered advice to students interested in Peking University
- 2017.5 **Volunteer**, *Peking University Library*, Beijing.
assisted the library teachers with daily management, including book shelving, sorting out the library
- 2017.4 **Volunteer Teacher**, *Beijing Linchuan School*, Beijing.
gave classes to students at Beijing Linchuan School with my classmates, shared our study experiences and advice
- 2016.11 **Volunteer**, *Beijing Forum 2016*, Beijing.
guided participants to the meeting and the dining place, accompanied them on a trip to the Forbidden City