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Zongyue Qin

Education

2020–now **Ph.D.**, *Computer Science Department*, University of California, Los Angeles, US
  ○ Advisor: Prof. Yizhou Sun
  ○ GPA: 4.0/4.0

2016–2020 **B.A**, *Yuanpei College*, Peking University, China
  ○ Major: Data Science and Big Data Technology
  ○ GPA: 3.69/4 (top 5)

2018.9- **Exchange Student**, *Computer Science Department*, University of British Columbia,
2018.12 Canada
  ○ GPA: 96.5/100

Publications

Yunsheng Bai, Atefeh Sohrabizadeh, **Zongyue Qin**, Ziniu Hu, Yizhou Sun, Jason Cong. "*Towards a Comprehensive Benchmark for High-Level Synthesis Targeted to FPGAs.*", Neurips2023

Zongyue Qin, Yunsheng Bai, Yizhou Sun. "*GHashing: Semantic Graph Hashing for Approximate Similarity Search in Graph Databases.*", SIGKDD2020.

Yuyan Chen, Lei Zou, **Zongyue Qin**. "*Gated Relational Graph Neural Network for Semi-supervised Learning on Knowledge Graphs*", WISE'19.

Zongyue Qin, Chen Luo, Haoming Jiang, Zhengyang Wang, Yizhou Sun. "*Relational Database Augmented Large Language Models*" under review

Zongyue Qin, Chen Luo, William Headden, Haoming Jiang, Tianyu Luo, Bin Yin, Tuo Zhao, Chao Zhang, Yizhou Sun. "*Deep Hashing based Session Similarity Search for Zero-shot Purchase Intent Understanding*", under review.

Yunsheng Bai, Atefeh Sohrabizadeh, **Zongyue Qin**, Yizhou Sun, Jason Cong. "*Cross-Modality Program Representation Learning for Electronic Design Automation with High-Level Synthesis*". under review

Zongyue Qin, Yizhou Sun, "*QDA-MIPS: Query Distribution Aware Maximum Inner Product Search*" under review

ZongyueQin, Yizhou Sun, Jason Cong, Ziniu Hu, Zifan He, Neha Prakriya, "*Multi-Token Joint Speculative Decoding for Accelerating Large Language Model Inference*" under review

Zifan He, Jason Cong, Yizhou Sun, **Zongyue Qin**, Neha Prakriya "*HMT: Hierarchical Memory Transformer for Long Context Language Processing*" under review

Internship

2023.06–2023.9   **Applied Scientist Intern**, *Search, Query Understanding*, Amazon Inc, Palo Alto, CA, USA

Relational Database Augmented Large Language Models.

2022.06–2022.11   **Applied Scientist Intern**, *Search, Query Understanding*, Amazon Inc, Palo Alto, CA, USA

develop a pre-training learning-to-hash framework for efficient similarity search with million-scale session data.

2020.02–2020.05   **Internship**, *Data, Ad System, Ad Data Platform Department*, ByteDance, Beijing, China

developed routine programs that generate data for downstream ad platform applications.

Teaching Experience

Teaching Assistant   **University of California, Los Angeles**, *Computer Science Department*, 2021-2022
- "*Introduction to Data Mining*", Prof. Yizhou Sun
- "*Advanced Data Mining*", Prof. Yizhou Sun
- "*Introduction to Data Mining*", Prof. Wei Wang

Honors and Awards

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

Leadership

2018–2019   **Vice-chairman**, *Presidium*, Yuanpei Academic Societies of Students, Beijing

2017–2018   **Director**, *Academic Department*, Yuanpei Academic Societies of Students, Beijing