Xiaoze Liu

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Education

Purdue University – West Lafayette	2023/8 (Expected)
Ph.D. Elmore Family School of Electrical and Computer Engineering	West Lafayette, Indiana

- **Co-supervisors:** Prof. Jing Gao and Xiaoqian Wang

Zhejiang University	2020/9 – 2023/4
M.Eng. College of Computer Science and Technology	Hangzhou, China

- Graduated with **Outstanding Graduate Award**

Northeastern University	2016/9 – 2020/6
B.Eng. School of Computer Science and Engineering	Shenyang, China

- Awarded **National Scholarship**, Graduated with **Outstanding Graduate Award**
- GPA *4.14/5.0 (91.4/100, 3.87/4.0 based on scholaro)*, Rank *1/53*

Kanazawa University	2019/4 – 2019/9
Undergraduate Research Assistant in Computer Science. Founded by JASSO.	Ishikawa, Japan

Industrial Experience

Alibaba DAMO Academy	2022/9 – 2023/3
Research Intern @ Language Technology Lab	Hangzhou, China
Alibaba Cloud	2021/8 – 2022/7
Research Intern @ Database Autonomy Service Group	Hangzhou, China
ByteDance Ltd.	2019/10 – 2020/1
Software Engineer Intern @ TikTok Server Backend Team	Beijing, China

Publication

Note: # indicates co-first author, and orange color text indicates supervisors.

[1] **Unsupervised Entity Alignment for Temporal Knowledge Graphs.** WWW 2023
Xiaoze Liu, Junyang Wu, Tianyi Li, Lu Chen, Yunjun Gao *(First author)*

[2] **Real-time Workload Pattern Analysis for Large-scale Cloud Databases.** VLDB 2023
Jiaqi Wang, Tianyi Li, Anni Wang, Xiaoze Liu, Lu Chen, Jie Chen, Jianye Liu, Junyang Wu, Feifei Li, Yunjun Gao

[3] **ClusterEA: Scalable Entity Alignment with Stochastic Training and Normalized Mini-batch Similarities.** KDD 2022
Yunjun Gao#, Xiaoze Liu#, Junyang Wu, Tianyi Li, Pengfei Wang, Lu Chen *(Co-first author with supervisor)*

[4] **PinSQL: Pinpoint Root Cause SQLs to Resolve Performance Issues in Cloud Databases.** ICDE 2022
Xiaoze Liu, Zheng Yin, Chao Zhao, Congcong Ge, Lu Chen, Yunjun Gao, Dimeng Li, Ziting Wang, *(First author)*
Gaozhong Liang, Jian Tan, Feifei Li

[5] **LargeEA: Aligning Entities for Large-scale Knowledge Graphs.** VLDB 2022
Congcong Ge, Xiaoze Liu, Lu Chen, Baihua Zheng, Yunjun Gao

[6] **Make it Easy: An Effective End-to-End Entity Alignment Framework.** SIGIR 2021
Congcong Ge, Xiaoze Liu, Lu Chen, Baihua Zheng, Yunjun Gao

[7] **CollaborEM: A Self-supervised Entity Matching Framework Using Multi-features Collaboration.** TKDE 2021
Congcong Ge, Pengfei Wang, Lu Chen, Xiaoze Liu, Baihua Zheng, Yunjun Gao

Honors and Awards

- Outstanding Graduate Award of Zhejiang University	2023
- Outstanding Graduate Award of Northeastern University (China)	2020
- National Scholarship	2019
- JASSO Scholarship for short term study in Japan	2019
- National Scholarship	2018
- The 4th China Collegiate Programming Contest (Guilin) Silver Medal	2018
- 2018 ICPC Asia Qingdao Regional Contest Bronze Medal	2018
- The 3rd China Collegiate Programming Contest (Qinhuangdao) Bronze Medal	2017

Academic Services

- Professional Member of Association for Computing Machinery
- Served as a Journal reviewer for IEEE TNNLS, Pattern Recognition, Information Sciences
- Served as a Conference reviewer/PC for KDD 2023

Misc

- Languages: Mandarin (Native), English (IELTS Academic Band **7.5**, 2022), Japanese (JLPT **N2**, 2018)