Qingyue Zhang

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Research Interests

Currently, my research interests lie in applying information and statistical theory to analyze, interpret, and design machine learning algorithms. In particular, my current work focuses on transfer learning and parameter-efficient fine-tuning of large models (e.g., LoRA). I also have prior research experience in social network analysis, anomaly detection, and graph neural networks.

Education

Tsinghua University, China   2023.09 - present
Tsinghua Shenzhen International Graduate School
Ph.D. in Data Science and Information Technology (Belongs to the first-level discipline of Computer Science and Technology)
Advisor: Prof. Shao-Lun Huang
Xi'an Jiaotong University, Xi'an, Shaanxi, China   2019.08 - 2023.07
B.E. in Computer Science and Technology (with honors)
Advisor: Prof. Minnan Luo
Northeast Yucai School, Shenyang, Liaoning, China   2016.09 - 2019.06
Mathematics Experimental Class

Publications (* indicates equal contribution)

[1] **A High-Dimensional Statistical Method for Optimizing Transfer Quantities in Multi-Source Transfer Learning**
Qingyue Zhang*, Haohao Fu*, Guanbo Huang*, Yaoyuan Liang, Chang Chu, Tianren Peng, Yanru Wu, Qi Li, Yang Li, Shao-Lun Huang
In Proceedings of NeurIPS, 2025.

[2] **Information-Geometric Analysis of the Optimal Error Exponent in Fixed-Length Hypothesis Testing**
Qingyue Zhang, Xinyi Tong, Tianren Peng, Shao-Lun Huang
In Proceedings of IEEE International Symposium on Information Theory (ISIT), 2025.

[3] **KRACL: Contrastive Learning with Graph Context Modeling for Sparse Knowledge Graph Completion.**
Zhaoxuan Tan, Zilong Chen, Shangbin Feng, Qingyue Zhang, Qinghua Zheng, Jundong Li, Minnan Luo.
In Proceedings of The Web Conference (WWW), 2023.

[4] **TwiBot-22: Towards Graph-Based Twitter Bot Detection.**
Shangbin Feng*, Zhaoxuan Tan*, Herun Wan*, Ningnan Wang*, Zilong Chen*, Binchi Zhang*, Qinghua Zheng, Wenqian Zhang, Zhenyu Lei, Shujie Yang, Xinshun Feng, Qingyue Zhang, Hongrui Wang, Yuhan Liu, Yuyang Bai, Heng Wang, Zijian Cai, Yanbo Wang, Lijing Zheng, Zihan Ma, Jundong Li, Minnan Luo.
In Proceedings of the NeurIPS, Datasets and Benchmarks Track, 2022.

Honors and Awards

Excellent Graduate Student, XJTU   2023
Dean's List, XJTU   2020, 2021, 2022

"ShuiYou" Scholarship for Outstanding Students, First Prize (Rank 1/40 in Experimental Class)   2021

Top Project Runner Up, NUS SoC Summer Workshop   2021

Services

Reviewer for NeurIPS   2023,2025

Reviewer for ICLR   from 2024

Reviewer for ICML   from 2024

Reviewer for AAAI   2025

Reviewer for TNNLS   from 2023

Volunteer for ITW   2024

Chairman of Students' Union of Qian Xuesen College (Honorary College of XJTU)   2022

Teaching

Teaching Assistant of "Large Deviations and High-Dimensional Statistics", Tsinghua University 2025 Spring

Skills

- Programming Skills: Python, PyTorch, MATLAB, C/C++, LaTeX
- Language Skills: Mandarin (native), English (TOEFL 92: R 28, L 25, S 19, W 20, CET6:523)