Jialin Zhao

Department of Computer Science and Technology, Tsinghua University, Beijing, China
Phone: +86-18813118900 Mail: jialin.zhao97@gmail.com Website: abcbdf.github.io

---

Education

Ph.D.
Department of Computer Science and Technology, Tsinghua University, advised by Professor Carlo V. Cannistraci
Beijing, China 2023 - 2027 (expected)

Master
Data Science Dual Degree, University of Washington and Tsinghua University, advised by Professor Jie Tang
Seattle, WA, US & Beijing, China 2019 - 2021

Bachelor
Department of Computer Science and Technology, Tsinghua University
Beijing, China 2015 - 2019

Experience

Work
Senior Research Engineer in Personalization in Disney+ Hotstar
Beijing, China 2021.7 - 2023.7

Internship

Post-training Team in Meta Superintelligence Labs
Menlo Park, California, US 2026.5 - 2026.8 (expected)

Trading Intern in Jane Street
Hong Kong, China & New York, NY, US 2019.7 - 2019.9

Research Intern in Microsoft Research Lab - Asia
Beijing, China 2019,1 - 2019,4

Awards

Tsinghua Bosch Scholarship [top 10% at Tsinghua CS], 2025
Top performer in Disney+ Hotstar, 2022
Gold medal (National Ranking 65th), Chinese Mathematical Olympiad, 2013

Publications

My research focuses on efficient AI, natural language processing, and graph learning.

(ˆ: corresponding author)

Pivoting Factorization: A Compact Meta Low-Rank Representation of Sparsity for Efficient Inference in Large Language Models
Jialin Zhaoˆ, Yingtao Zhang, and Carlo Vittorio Cannistraciˆ
*Forty-second International Conference on Machine Learning (**ICML**), 2025*

Sparse Spectral Training and Inference on Euclidean and Hyperbolic Neural Networks
Jialin Zhaoˆ, Yingtao Zhang, Xinghang Li, Huaping Liu, and Carlo Vittorio Cannistraciˆ
*Forty-second International Conference on Machine Learning (**ICML**), 2025*

Adaptive Cannistraci-Hebb Network Automata Modelling of Complex Networks for Path-based Link Prediction
Jialin Zhao, Alessandro Muscoloni, Umberto Michieli, Yingtao Zhang, Carlo Vittorio Cannistraci^
*Advances in neural information processing systems (**NeurIPS**), 2025*

Adaptive Diffusion in Graph Neural Networks
Jialin Zhao, Yuxiao Dong, Ming Ding, Evgeny Kharlamov, Jie Tang^
*Advances in neural information processing systems (**NeurIPS**), 2021*

Preprints

Accelerating Attention with Basis Decomposition
Jialin Zhao^
Under review

Skills

C/C++, Java, Kotlin, Python, TypeScript, Triton, Pytorch, Tensorflow, Matlab

Services

Conference reviewer
ICML (2025, 2026), NeurIPS (2025), ICLR (2026)

Journal reviewer
IEEE Transactions on Big Data, Applied Network Science, Scientific Reports