Pingzhi Li

Email: pingzhi@cs.unc.edu **Website**: pingzhili.github.io **Scholar**:

Education

The University of North Carolina at Chapel Hill NC, US
Ph.D. in Computer Science Sep. 2024 – Jul. 2028 (Estimated)

University of Science and Technology of China Hefei, China
Bachelor of Engineering in Computer Science Sep. 2019 – Jul. 2023

Publications

(* Equal Contribution) (^ Equal Supervision)

Model-GLUE: Democratized LLM Scaling for A Large Model Zoo in the Wild
Pingzhi Li*, Xinyu Zhao*, Guoheng Sun*, Ruisi Cai*, Yukun Zhou*, Peihao Wang*, Bowen Tan, Yexiao He, Li Chen, Yi Liang, Beidi Chen, Binhang Yuan, Hongyi Wang^, Ang Li^, Zhangyang Wang^, Tianlong Chen^
Conference on Neural Information Processing Systems (NeurIPS) Datasets and Benchmarks Track, 2024
[Code] [PDF]

Revisiting Zeroth-Order Optimization for Memory-Efficient LLM Fine-Tuning: A Benchmark
Pingzhi Li*, Yihua Zhang*, Junyuan Hong*, Jiaxiang Li*, Yimeng Zhang, Wenqing Zheng, Pin-Yu Chen, Jason D. Lee, Wotao Yin, Mingyi Hong, Zhangyang Wang, Sijia Liu, Tianlong Chen
International Conference on Machine Learning (ICML), 2024
[Code] [PDF]

Merge, Then Compress: Demystify Efficient SMoE with Hints from Its Routing Policy
Pingzhi Li, Zhenyu Zhang, Prateek Yadav, Yi-Lin Sung, Yu Cheng, Mohit Bansal, Tianlong Chen
International Conference on Learning Representations (ICLR), 2024 (Spotlight)
[Code] [PDF]

Experience

The University of North Carolina at Chapel Hill Remote
Research Intern June 2023 – June 2024
Advisor: Prof. Tianlong Chen

University of Science and Technology of China Hefei, China
Teaching Assistant September 2022 – January 2023
Undergrad course - CS1001A Computer Programming A (C Language)

University of Science and Technology of China Hefei, China
Undergrad Intern July 2021
Advisor: Prof. Qi Liu, Prof. Enhong Chen

Honors & Awards

1st Place of ACM/IEEE Quantum Computing for Drug Discovery Challenge November, 2023
Outstanding Graduates Scholarship, USTC June, 2023
Silver Medal in Kaggle Feedback Prize - Evaluating Student Writing March, 2022
Outstanding Student Scholarship, USTC November, 2020/21/22

Services

Reviewer: NeurIPS (2024)
Tutorial: ICML 2024

Skills

Languages: Mandarin (native), English (professional), German (junior)
Programming Languages: Python, C/C++, Bash
Deep Learning Frameworks: PyTorch, HuggingFace Transformers, DeepSpeed, Jax/Flax