PINGZHI LI

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Education

The University of North Carolina at Chapel Hill Sep. 2024 – Jul. 2029 (Estmated)
Ph.D. in Computer Science NC, US

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

Publications

(* Equal Contribution)

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*, et al.
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*, et al.
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]

Under Review

Hybrid Quantum-Classical Scheduling for Accelerating Neural Network Training with Newton's Gradient Descent.
Pingzhi Li, Junyu Liu, Hanrui Wang, Tianlong Chen
Submitted to *International Symposium on High-Performance Computer Architecture (HPCA)*, 2025
[Code] [PDF]

Experience

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

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

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

Honors and 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