

# Pingzhi Li

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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, Si-jia 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)*

[\[Code\]](#) [\[PDF\]](#)

## Under Review

(\* Equal Contribution)

**Glider: Global and Local Instruction-Driven Expert Router**

**Pingzhi Li\***, Prateek Yadav\*, Jaehong Yoon, Jie Peng, Yi-Lin Sung, Mohit Bansal, Tianlong Chen

Submitted to *International Conference on Learning Representations (ICLR), 2025*

**Examining Post-Training Quantization for Mixture-of-Experts: A Benchmark**

**Pingzhi Li\***, Xiaolong Jin\*, Yu Cheng, Tianlong Chen

Submitted to *International Conference on Learning Representations (ICLR)*, 2025

**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

**Understanding Prejudice and Fidelity of Diverge-to-Converge Multi-Agent Systems**

Zhen Tan, Song Wang, Shyam Marjit, Zihan Chen, Yinhan He, Xinyu Zhao, **Pingzhi Li**, Jundong Li, Huan Liu, Tianlong Chen

Submitted to *International Conference on Learning Representations (ICLR)*, 2025

**Fantastic Experts and How to Find Them: A Multi-Dimensional Study for Experts-Level Sparsification in Mixture-of-Experts**

Ajay Kumar Jaiswal, Jianyu Wang, Yixiao Li, **Pingzhi Li**, Tianlong Chen, Zhangyang Wang, Chong Wang, Ruoming Pang, Xianzhi Du

Submitted to *International Conference on Learning Representations (ICLR)*, 2025

**PortLLM: Personalizing Evolving Large Language Models with Training-Free and Portable Model Patches**

Rana Shahroz, **Pingzhi Li\***, Sukwon Yun\*, Zhenyu Wang, Shahriar Nirjon, Chau-Wai Wong, Tianlong Chen

Submitted to *International Conference on Learning Representations (ICLR)*, 2025

**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

**Deep Learning Frameworks:** PyTorch, HuggingFace Transformers, DeepSpeed, Jax/Flax