

PINGZHI LI

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Education

The University of North Carolina at Chapel Hill

Sep. 2024 – Jul. 2029 (Estimated)

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

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**)

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

Revisiting Zeroth-Order Optimization for Memory-Efficient LLM Fine-Tuning: A Benchmark.

Pingzhi Li*, Yihua Zhang*, Junyuan Hong*, Jiaxiang Li*, et al.

(* Equal Contribution) *International Conference on Machine Learning (ICML)*, 2024

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

Under Review

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

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

(* Equal Contribution) Submitted to *Conference on Neural Information Processing Systems (NeurIPS)*, 2024 (Under Review)

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

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 (Under Review)

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

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