Hong Huang

Google Scholar Personal Website

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Education

City University of Hong Kong — Hong Kong, China
- *Department of Computer Science* — *Sept. 2024 – Present*
  Doctor of Philosophy — *Supervised by Dr.Dapeng Wu*

University of Florida — Florida, United States
- *Department of Electrical and Computer Engineering* — *Aug. 2021 – May 2023*
  Master of Science; GPA: 3.62/4.00 — *Supervised by Dr.Dapeng Wu and Dr.Ruogu Fang*

Shanghai Jiao Tong University — Shanghai, China
- *Department of Computer Science and Engineering* — *Aug. 2017 – June 2021*
  Bachelor of Engineering; GPA: 3.68/4.00 — *Supervised by Dr.Jian Cao*

Selected Publications

- **Hong Huang**, Dapeng Wu "Quaff: Quantized Parameter-Efficient Fine-Tuning under Outlier Spatial Stability Hypothesis." The Annual Meeting of the Association for Computational Linguistics (ACL), 2025.
- **Hong Huang**, Weiming Zhuang, Chen Chen, and Lingjuan Lyu. "FedMef: Towards Memory-efficient Federated Dynamic Pruning." IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2024.
- **Hong Huang**, Lan Zhang, Chaoyue Sun, Ruogu Fang, Xiaoyong Yuan, and Dapeng Wu. "Distributed Pruning Towards Tiny Neural Networks in Federated Learning." IEEE 43rd International Conference on Distributed Computing Systems (ICDCS), 2023. (Acceptance rate: 18.9%)

Professional Employment

- **City University of Hong Kong** — Hong Kong, China
  Research Assistant; Mentored by Dr.Dapeng Wu — *Sept. 2023 - Aug. 2024*
- **SONY AI** — Tokyo, Japan
  Research Intern; Mentored by Dr. Lingjuan Lyu — *Mar. 2023 - Aug. 2023*
  - Developed a novel memory-efficient federated dynamic pruning framework; published in CVPR 2024
- **Meta** — California, United States
  Research Assistant; Mentored by Dr. Zhijun Lei — *Mar. 2022 - Dec. 2022*
  - Developed a texture- and motion-aware perception in-loop filter for AV1; published in JVCIR
- **YITU Technology** — Shanghai, China
  Technique Support Intern; Mentored by Mr. Chunhao Zhao — *Jun. 2020 – Dec. 2020*

Professional Activities

- **Reviewer**:
  - Journals/Transactions: TPDS, TNNLS, TETCI, TCC.
  - Conference: NeurIPS.

Awards

- Graduate School Fellowship, University of Florida — 2021 – 2023
- Zhiyuan Academic Honors Award, Shanghai Jiao Tong University — 2017 – 2021

Technical Skills

- **Research Interests**: Model Compression/Acceleration, Efficient On-device ML, Federated Learning
- **Programming**: Python, C/C++, PyTorch, CUDA, TensorRT,