Hong Huang

https://little0o0.github.io/

honghuang2000@outlook.com

+86-17349764371

Education

University of Florida — Florida, America

- *Department of Electrical and Computer Engineering* — *Aug. 2021 – May 2023*
  Master of Science (Full Scholarship); GPA: 3.62/4.00 — *Advised by Prof. Dapeng Wu and Prof. 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 — *Advised by Prof. Jian Cao*

Papers

- **Hong Huang**, Lan Zhang, Chaoyue Sun, Ruogu Fang, Xiaoyong Yuan, and Dapeng Wu. "Distributed Pruning Towards Tiny Neural Networks in Federated Learning." In 2023 IEEE 43rd International Conference on Distributed Computing Systems (ICDCS), pp. 190-201. IEEE, 2023. (Acceptance rate: 18.9%, CCF-B)
- **Hong Huang**, Jian Cao, Qing Qi, and Boxuan Zhao. "DOCEM: A Domain-Embedding-Based Open-Source Community Event Monitoring Model." In CCF Conference on Computer Supported Cooperative Work and Social Computing, pp. 403-417. Springer, Singapore, 2022.
- **Huang Hong**, Weiming Zhuang, Chen Chen, Lingjuan Lyu. "FedMef: Towards Memory-efficient Federated Dynamic Pruning." Submitted to CVPR2024.

Professional Employment

- **City University of Hong Kong** — Hong Kong, China
  Research Assistant; Department of Computer Science — *Sept. 2023 - Present*
  - Develop an efficient large language model fine-tuning framework via INT8 quantization.
- **Sony AI** — Tokyo, Japan
  Research Intern; Privacy-Preserving Machine Learning (PPML) — *Mar. 2023 - Aug. 2023*
  - Developed a novel federated pruning framework for resource-constrained scenarios.
- **Huawei** — Shanghai, China
  Development Assistant; MindSpore Developer Experience SIG — *Mar. 2021 - Aug. 2021*
- **YITU Technology** — Shanghai, China
  Technique Support Intern; Business and Technique Support Group — *Jun. 2020 – Dec. 2020*

Professional Activities

- **Secondary Reviewer**:
  - IEEE Transactions on Cloud Computing (TCC) 2023
  - IEEE Transactions on Neural Networks and Learning Systems (TNNLS) 2023

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, Algorithm Acceleration, Efficient On-device ML, Federated Learning
- **Programming**: Python, C/C++, Java, PyTorch, TensorRT, CUDA