

SHOUXU LIN

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Education

Cornell University

Ph.D. in Computer Science

2023 – 2028 (Expected)

Carnegie Mellon University

M.S. in Information Networking

2020 – 2022

Australian National University

B.S. in Engineering, with Honours

2016 – 2019

Wuhan University

B.S. in Computer Science

2015 – 2016

Publications

- Sia: Heterogeneity-aware, goodput-optimized ML-cluster scheduling
Suhas Subramanya, Daiyaan Arfeen, **Shouxu Lin**, Aurick Qiao, Yonghao Zhuang, Xupeng Miao, Amar Phanishayee, Zhihao Jia, Greg Ganger
Proceedings of the 29th Symposium on Operating Systems Principles(SOSP), 2023
- A Neural-Based Bandit Approach to Mobile Crowdsourcing
Shouxu Lin, Yuhang Yao, Pei Zhang, Hae Young Hoh, Carlee Joe-Wong
23rd Annual International Workshop on Mobile Computing Systems and Applications (HotMobile), 2022
- Reliability-Aware Service Function Chain Provisioning in Mobile Edge-Cloud Networks
Shouxu Lin, Weifa Liang, Jing Li
29th International Conference on Computer Communications and Networks (ICCCN), 2020
- Emotion Recognition Through Observer's Physiological Signals
Yang Liu, Tom Gedeon, Sabrina Caldwell, **Shouxu Lin**, Zi Jin
arXiv preprint arXiv:2002.08034, 2020

Preprints

- FLAMMABLE: A Multi-Model Federated Learning Framework with Multi-Model Engagement and Adaptive Batch Sizes
Shouxu Lin, Zimeng Pan, Yuhang Yao, Pei Zhang, Hae Young Hoh, Carlee Joe-Wong
arXiv preprint arXiv:2510.10380, 2025

Honors & Awards

- Cornell University Fellowship 2023
- Carnegie Mellon University INI Outstanding Research Assistant Reward 2023
- Carnegie Mellon University INI Fellowship 2021
- Australian National University Distinguished Research Scholarship. 2019
- Australian InnovationACT entrepreneurship competition with an \$8,750 grant. 2018
- 'Startup of the year' in the digital Canberra iAwards. 2018

Teaching

- Cornell CS4414: System Programming 2025 Fall
- Cornell CS4450: Introduction to Computer Networks 2025 Spring