

# SHOUXU LIN

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## Education

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### Cornell University

2023 – 2028 (Expected)

*Ph.D. in Computer Science*

### Carnegie Mellon University

2020 – 2022

*M.S. in Information Networking*

### Australian National University

2016 – 2019

*B.S. in Engineering, with Honours*

### Wuhan University

2015 – 2016

*B.S. in Computer Science*

## Publications

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- 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

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- 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

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- 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

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