

Ningxin Su

PRESENT APPOINTMENT	Ph.D. Student Edward S. Rogers Sr. Department of Electrical and Computer Engineering University of Toronto 10 King's College Road Toronto, Ontario M5S3G4, Canada	<i>Mobile:</i> (647) 852-2522 <i>Email:</i> ningxin.su@mail.utoronto.ca <i>Address:</i> Unit 1201, 203 College St Toronto, On M5T0C8, Canada
PERSONAL INFORMATION	<i>Citizenship</i> Chinese	
RESEARCH INTERESTS	Federated learning, Metaverse, Distributed machine learning, Networking	
EDUCATION	University of Toronto , Toronto, Ontario, Canada <i>Department of Electrical and Computer Engineering</i> ◇ Ph.D. Student , Electrical and Computer Engineering, September 2020 – now <i>Advisor:</i> Baochun Li, Department of Electrical and Computer Engineering The University of Sheffield , Sheffield, South Yorkshire, England <i>Department of Data Communications</i> ◇ M.Sc. , Master of Science in Engineering, November 2020 Beijing University of Posts and Telecommunications (BUPT) , Beijing China <i>International School</i> (Joint Programme co-held by BUPT & Queen Mary University of London) ◇ B.Engr. & B.Management , E-Commerce Engineering with Law, June 2019	
BEST PAPER AWARDS	◇ <i>Best Paper Award</i> , the 1st IEEE International Conference on Metaverse Computing, Networking and Applications (MetaCom 2023) ▷ For the paper co-authored with Baochun Li and Bo Li, titled “Multi-Server Stable Rendezvous for the Metaverse,” published in the Proceedings of IEEE MetaCom 2023, June 2023.	
PUBLICATIONS	◇ Journal Articles [J1] Ningxin Su , Baochun Li. “MLOps in the Metaverse: Human-Centric Continuous Integration,” in <i>IEEE Journal on Selected Areas in Communications (JSAC)</i> , Special issue on Human-Centric Communication and Networking for Metaverse over 5G and Beyond Networks. ◇ Papers in Conference Proceedings (in reverse chronological order)	

[C5] **Ningxin Su**, Chenghao Hu, Baochun Li, Bo Li. “Titanic: Towards Production Federated Learning with Large Language Models,” in the Proceedings of *IEEE International Conference on Computer Communications (INFOCOM)*, Vancouver, Canada, May 20 – 23, 2024.

[C4] Baochun Li, **Ningxin Su**, Chen Ying, Fei Wang. “Plato: An Open-Source Research Framework for Production Federated Learning,” in the Proceedings of *ACM Turing Award Celebration Conference (TURC)*, Wuhan, China, July, 2023.

[C3] **Ningxin Su**, Baochun Li, Bo Li. “Multi-Server Stable Rendezvous for the Metaverse,” in the Proceedings of *IEEE International Conference on Metaverse Computing, Networking and Applications (MetaCom)*, Kyoto, Japan, June 26 – 28, 2023.

[C2] **Ningxin Su**, Baochun Li. “Asynchronous Federated Unlearning,” in the Proceedings of *IEEE International Conference on Computer Communications (INFOCOM)*, New York, USA, May 17 – 20, 2023.

[C1] **Ningxin Su**, Baochun Li. “How Asynchronous can Federated Learning Be?” in the Proceedings of *IEEE/ACM International Symposium on Quality of Service (IWQoS)*, Virtual Conference, June 10 – 12, 2022.

PROFESSIONAL
EXPERIENCE

University of Toronto, Edward S. Rogers Sr. Department of Electrical and Computer Engineering, Toronto, Ontario, Canada

Ph.D. Student

Teaching Assistant, APS105: Computer Fundamentals

September — now

January 2022 — May 2022

Web Chair, *IEEE International Conference on Metaverse Computing, Networking, and Applications (IEEE MetaCom)*, 2024.

The reviewer of

IEEE Transactions on Big Data

IEEE Transactions on Computational Social Systems

IEEE Transactions on Cloud Computing

IEEE Transactions on Sensor Networks

IEEE Transactions on Network Science and Engineering