

Jiahao Xue

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PUBLICATIONS

- Bandwidth Allocation for Federated Learning with Wireless Providers and Cost Constraints
IEEE Transactions on Mobile Computing 2023
- Wireless network resource optimization and management for federated learning
- Data-Driven Next-Generation Wireless Networking: Embracing AI for Performance and Security
International Conference on Computer Communications and Networks 2023
- A systematic study on the recent application of machine learning on wireless network
- Effective spatio-temporal regimes for wound treatment by way of macrophage polarization: a mathematical model
Frontiers in Applied Mathematics and Statistics 2022
- A mathematical model, optimization, and solution to the wound treatment

PROJECTS

- DARPA: Bioelectronic Intelligent Control of Wound Regeneration (BETR)** | *Matlab* June 2020
- A DARPA project for wound treatment, details can be found in my publication 2022
- TurtleBot and ROS** | *Python* June 2018
- Developed a Python script to remote control and navigate TurtleBot

EDUCATION

- University of South Florida** Tampa, FL
Doctor of Philosophy in Electrical Engineering, Minor in Wireless Networking Sep. 2021 – Sep 2026
- University of California, Santa Cruz** Santa Cruz, CA
Master in Electrical Engineering Sep. 2019 – Sep 2021
- Huazhong University of Science and Technology** Hubei, China
Bachelor in Marine Engineering Sep. 2014 – Sep 2018

TEACHING

- Teaching Assistant** Jan 2022 – Present
University of South Florida
- Electrical System

TECHNICAL SKILLS

Languages: Matlab, Python
Developer Tools: PyCharm