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

TurtleBot and ROS | *Python*   June 2020
- 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