

Xu Zhang

+1-773-712-0543 | xuzhang480@gmail.com | xuzhang480.github.io

Chicago, Illinois - 60616, United States

EDUCATION

- **Illinois Institute of Technology** August 2024 - present
Doctor of Philosophy in Computer Engineering Chicago, USA
 - GPA: 4.00/4.00
- **Huazhong University of Science and Technology** August 2021 - June 2024
Master of Information and Communication Engineering Wuhan, China
 - GPA: 3.64/4.00
- **Huazhong University of Science and Technology** August 2017 - June 2021
Bachelor of Telecommunication Engineering Wuhan, China
 - GPA: 3.87/4.00

EXPERIENCE

- **Huazhong University of Science and Technology** September 2022 – June 2023
Teaching Assistant – Next-generation Wireless Network Technologies Wuhan, China
 - Assisted in delivering lectures and tutorials on 5G/6G, network slicing, edge computing, and AI-driven wireless systems.
 - Designed and graded homework, projects, and exams for over 100 undergraduate and graduate students.
 - Held weekly office hours to support students with coursework, clarifying complex topics in wireless communication and network protocols.
 - Coordinated hands-on lab sessions involving NS3 simulations and SDR-based wireless experiments.
- **5G Verticals Innovation Laboratory** July 2019 - April 2021
Research Assistant Wuhan, China
 - Participated in the modeling and analysis of 5G-enabled vehicular networks; contributed to data collection, system implementation, and writing for two IEEE conference papers:
 - * Rong Xia, Yong Xiao, Yingyu Li, Marwan Krunz, Dusit Niyato, “**A Generative Learning Approach for Spatio-temporal Modeling in Connected Vehicular Network**,” IEEE International Conference on Communications (ICC), 2020. [🌐]
 - * Maohong Chen, Yong Xiao, Qiang Li, Kwang-Cheng Chen, “**Minimizing Age-of-Information for Fog Computing-supported Vehicular Networks with Deep Q-learning**,” IEEE International Conference on Communications (ICC), 2020. [🌐]

PUBLICATIONS

Conference Papers

- [1] **Zhang X**, Xu K, Hu Z, et al. Optimizing Robustness and Accuracy in Mixture of Experts: A Dual-Model Approach[C]//Forty-second International Conference on Machine Learning. [🌐]
- [2] Xiao Y, **Zhang X**, Li Y, et al. Rate-distortion theory for strategic semantic communication[C]//2022 IEEE Information Theory Workshop (ITW). IEEE, 2022: 279-284. [🌐]

HONORS AND AWARDS

- **National Scholarship (Graduate)** October 2022
Ministry of Education, China [🌐]
 - Awarded to the top 1% of graduate students nationwide for outstanding academic performance, research potential, and overall excellence.
 - Recognized as one of the highest academic honors in China.
- **National Scholarship (Undergraduate)** October 2019
Ministry of Education, China [🌐]
 - Granted to the top-performing 1% of undergraduate students for exceptional academic achievement and comprehensive personal development.
 - Highly competitive and nationally prestigious award.

VOLUNTEER EXPERIENCE

- **Student Volunteer**

Oct 2025

IEEE MASS 2025 (IEEE International Conference on Mobile Ad Hoc and Smart Systems)



- Assisted with on-site conference logistics, including attendee registration, session coordination, and venue guidance.
- Supported smooth operation of technical sessions, contributing to an efficient conference experience for researchers and industry participants.
- Developed professional communication, organizational, and event-coordination skills within an international academic setting.