

Xu Zhang

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Chicago, Illinois - 60616, United States

EDUCATION

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

EXPERIENCE

- **Huazhong University of Science and Technology** September 2022 – June 2023
Wuhan, China
Teaching Assistant – Next-generation Wireless Network Technologies
 - 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
Wuhan, China
Research Assistant
 - 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. [[DOI](#)]
 - * 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. [[DOI](#)]

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. [[DOI](#)]
- [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. [[DOI](#)]

HONORS AND AWARDS

- **National Scholarship (Graduate)** October 2022
[[DOI](#)]
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
[[DOI](#)]
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

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

Oct 2025



- 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.