Qian Li

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Education

Peking University   Sept 2022 – July 2025
- MS in Signal and Information Processing, GPA: 86/100
- **Award:** Graduate Academic Scholarship, 2022-2025
- **Coursework:** Mobile Communication System, Digital Communications, Machine Learning, Deep Learning, Stochastic Process, Information Theory and Coding, Signal Detection and Estimation

Beijing Jiaotong University   Sept 2018 – July 2022
- BS in Information Management and Information System, GPA: 86/100
- **Award:** National Encouragement Scholarship, 2021
- **Coursework:** Data Structure, Computer Network, Operation System, Big Data Analysis and Mining, Big Database, Object-Oriented Programming, Information Systems Development, Internet of Things Technologies.

Publication

Q. Li, Z. Yang, D. Li, and H. Zhang, "Reconfigurable Holographic Surface-aided Distributed MIMO Radar Systems," IEEE Communications Letters, 2025.

Research Experience

Research Assistant, Peking University, Beijing   Mar 2024 – Nov 2024
- Investigated hyperscale RIS-assisted indoor user localization, distributed phased-MIMO radar
- Designed communication and radar systems and algorithms
- Builded distributed MIMO radar systems with at least 4.98 dB performance improvement

Research Assistant, Beijing Jiaotong University, Beijing   Jan 2022 – June 2022
- Investigated the knowledge graph
- Designed Algorithms to analyze risky communities and vulnerable nodes based on a risk knowledge graph

Professional Service

- **Reviewer,** IEEE Transactions on Vehicular Technology   2025

Teaching Experience

Teaching Assistant, Peking University, Beijing   Sept 2022 – Feb 2023
- **Course:** Fundamentals of Machine Learning for Predictive Data Analysis   Sept 2023 – Feb 2024
- Graded and answered homework assignments and organized presentations

Projects

Adversarial Attacks and Training for Image Classification Models   June 2023
- Trained a model and performed a directed white-box attack and adversarial training
- Performed a directed black-box attack on a black-box model

Raisin classification based on machine learning algorithm   Jan 2023
- Created a raisin classification model with optimal parameter search and best performance measurements

Technologies

Languages: python, C++, C, Java, C#, SQL, JavaScript, SQL, XML

Software and Libraries: Matlab, PyTorch, Numpy, Tensorflow, LATEX, .NET, Microsoft SQL Server, Oracle