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Google Scholar: [Shuaifan Xia](#)

Chinese

English

French

Native Speaker

TOEFL 107

A2

Education

- 2024-on

Ingénieur in Computer Science

Télécom Paris, Île-de-France, France.

GPA: 3.86/4.0

Core Courses: Parallel and Distributed Computing, Concurrent Programming
- 2022-2025

MSc in Computer Science

Tongji University, Shanghai, China.

GPA: 4.83/5.0 Ranking: 1/48 *Summa Cum Laude*

Research Area: Internet of Things, Wireless Communication
- 2018-2022

BSc in Information Security

Hangzhou Dianzi University, Zhejiang, China.

GPA: 4.72/5.0 Ranking: 1/116 *Summa Cum Laude*

Core Courses: Computer Networks, Principles of Communication, Signals and Systems

Projects and Grants

- 2022-on

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- 2019-2022

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Publication Highlights

- 2025

Integrated Sensing and Communication System Based on Radio Frequency Resonance Beam.

Y. Guo, [S. Xia](#), M. Xiong, Q. Liu, S. Zhou, W. Fang, Q. Jiang, G. Yan, J. Mu.

Under submission to IEEE Transactions on Wireless Communications. [arXiv:2501.18878](#).
- 2024

Frequency Division Duplexing Resonant Beam Communication.

[S. Xia](#), Q. Liu, Q. Jiang, W. Fang, M. Liu.

Major revision submitted to IEEE Transactions on Wireless Communications.
- 2024

Millimeter-wave Resonant Beam SWIPT.

[S. Xia](#), Q. Jiang, W. Fang, Q. Liu, S. Zhou, M. Liu, M. Xiong. IEEE Internet of Things Journal.

doi:[10.1109/JIOT.2024.3452121](#) Open science: [🔗 Collin911/RF-RBSWIPT](#)
- 2023

Auto-Protection for Resonant Beam SWIPT in Portable Applications.

[S. Xia](#), Q. Liu, M. Liu, W. Fang, M. Xiong, Y. Bai, X. Li. IEEE Internet of Things Journal.

doi:[10.1109/JIOT.2023.3298521](#) Open science: [🔗 Collin911/Resonant-Beam-AutoPro](#)
- 2023

NLOS Transmission Analysis for Mobile SLIPT Using Resonant Beam.

M. Liu, [S. Xia](#), M. Xiong, M. Xu, Q. Liu, H. Deng. IEEE Transactions on Wireless Communications.

doi:[10.1109/TWC.2023.3277593](#)
- 2022

Integrated Communication and Positioning With Resonant Beam.

M. Liu, [S. Xia](#), M. Xiong, M. Xu, W. Fang, Q. Liu. IEEE Transactions on Wireless Communications.

doi:[10.1109/TWC.2022.3173929](#)

Work Experience

- 2023-2024

Research Mentor

Chase Education Technology Co., Ltd., Hubei, China.

Mentor undergraduate students in conducting research projects related to computer science.
- 2019-2022

Teaching Assistant

Hangzhou Dianzi University, China.

Signals and Systems, Steganography and Digital Watermarking.

2021–2022 **President of Student Union**, Hangzhou Dianzi University, China.
Responsible for internal and financial affairs, and the Dept. Cultural & Academic Activities.

Honors & Awards

- 2024 **France Excellence EIFFEL Scholarship**. Campus France, France.
- 2024 **National Scholarship for Master Students**. Ministry of Education, China.
- 2023 **National Scholarship for Master Students**. Ministry of Education, China.
- 2021 **Zhejiang Provincial Scholarship**. Department of Education, Zhejiang, China.
- 2020 **National Scholarship for Undergraduate Students**. Ministry of Education, China.
- 2019 **Zhejiang Provincial Scholarship**. Department of Education, Zhejiang, China.