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Chinese

English

French

German

Native

TOEFL 107

A2

Basic

Education

2024-on

**Ingénieur in Computer Science**, Télécom Paris, Île-de-France, France.  
GPA: 3.93/4.0

2022–2025

**M.Eng in Computer Science**, Tongji University, Shanghai, China.  
GPA: 4.83/5.0 Ranking: 1/48 *Summa Cum Laude* Research Area: Internet of Things

2018–2022

**B.Eng in Information Security**, Hangzhou Dianzi University, Zhejiang, China.  
GPA: 4.72/5.0 Ranking: 1/116 *Summa Cum Laude*

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 Signal Processing. 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, Information Theory and Coding, 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.