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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 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, 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.