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Chinese	Native
English	TOEFL 107
French	A2
German	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, Wireless Communication
- 2018–2022 **B.Eng 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

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.