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Mandarin Chinese native
English TOEFL 107
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Education

- 2024-on **Ingénieur in Computer Science**, Télécom Paris, Île-de-France, France.
GPA: 3.79/4.0
- 2022–2025 **MSc in Computer Science**, Tongji University, Shanghai, China.
GPA: 4.83/5.0 Ranking 1/48
- 2018–2022 **BSc in Information Security**, Hangzhou Dianzi University, Zhejiang, China.
GPA: 4.72/5.0; Ranking 1/116; 1st Scholarship every semester; *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.
arXiv preprint [arXiv:2501.18878](https://arxiv.org/abs/2501.18878).
- 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](https://doi.org/10.1109/JIOT.2024.3452121)
Open science:  [Collin911/RF-RBSWIPT](https://collin911.github.io/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](https://doi.org/10.1109/JIOT.2023.3298521)
Open science:  [Collin911/Resonant-Beam-AutoPro](https://collin911.github.io/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](https://doi.org/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](https://doi.org/10.1109/TWC.2022.3173929)

Work Experience

- 2023-on **Teaching Assistant**, 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.

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.