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Chinese	Native Speaker
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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](#).
- 2025 **Mobile Self-Protection Resonant Beam SWIPT with Adaptive Phase Control.**
X. Wang, S. Xia, W. Fang, M. Liu, M. Xiong, Q. Liu, Z. Pan. IEEE Internet of Things Journal.
doi:[10.1109/JIOT.2025.3595641](#)
- 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

- 2023-2025 **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

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|------|---|---|
| 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. |