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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: 3.79/4.0
- 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

- 2023-2024

Research Mentor, Chase Education 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.
Responsable 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.