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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: 3.86/4.0
2022-2025	MSc in Computer Science , Tongji University, Shanghai, China. GPA: 4.83/5.0 Ranking: 1/48 Research Area: Internet of Things <i>Summa Cum Laude</i>
2018-2022	BSc in Information Security , Hangzhou Dianzi University, Zhejiang, China. GPA: 4.72/5.0 Ranking: 1/116 <i>Summa Cum Laude</i>

Publication Highlights

2025	Integrated Sensing and Communication System Based on Radio Frequency Resonance Beam. Y. Guo, <u>S. Xia</u> , 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. <u>S. Xia</u> , Q. Liu, Q. Jiang, W. Fang, M. Liu. Major revision submitted to IEEE Transactions on Wireless Communications.
2024	Millimeter-wave Resonant Beam SWIPT. <u>S. Xia</u> , 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. <u>S. Xia</u> , 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, <u>S. Xia</u> , 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, <u>S. Xia</u> , 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. <i>Signals and Systems, Steganography and Digital Watermarking.</i>
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.