

EDUCATION	Xidian University <i>Ph.D. in Cryptography</i> • Research Area: 6G Networks, Evolutionary Algorithm, and Blockchain	Xi'an, China Aug. 2021 - Jun. 2025
	Xidian University <i>M.E. in Information and Communications Engineering</i> • Research Area: Internet of Vehicles and Blockchain	Xi'an, China Aug. 2019 - Aug. 2021
	Xi'an University of Technology <i>B.E. in Internet of Things Engineering</i> • Research Area: Internet of Things and Data Monitoring	Xi'an, China Aug. 2015 - Jun. 2019
RESEARCH INTERESTS	6G Networks: resource sharing, multi-objective optimization, security and privacy. Blockchain: consensus mechanisms, distributed network management. Internet of things: resource management, information sharing, distributed security.	
PUBLICATIONS	<ol style="list-style-type: none"> 1. Kun Yan, Wenping Ma, and Shaohui Sun, "Communications and Networks Resources Sharing in 6G: Challenges, Architecture, and Opportunities," in <i>IEEE Wireless Communications</i>, vol. 31, no. 6, pp. 102-109, Dec. 2024. doi: 10.1109/MWC.003.2400038. (IF=10.9) 2. Kun Yan, Wenping Ma, Qi Yang, Shaohui Sun, and Weiwei Wang, "Info-Chain: Reputation-Based Blockchain for Secure Information Sharing in 6G Intelligent Transportation Systems," in <i>IEEE Internet of Things Journal</i>, vol. 11, no. 5, pp. 9198-9212, Mar. 2024. doi: 10.1109/JIOT.2023.3323011. (IF=10.6) 3. Kun Yan, Ping Zeng, Kan Wang, Wenping Ma, Geng Zhao, and Yingjie Ma, "Reputation Consensus-Based Scheme for Information Sharing in Internet of Vehicles," in <i>IEEE Transactions on Vehicular Technology</i>, vol. 72, no. 10, pp. 13631-13636, Oct. 2023. doi: 10.1109/TVT.2023.3237215. (IF=6.8) 4. Kun Yan, Wenping Ma, Shaohui Sun, and Weiwei Wang, "Blockchain-Based Dynamic Spectrum Sharing for Service-Centric 6G Networks: An Evolutionary Approach," in <i>IEEE Transactions on Network Science and Engineering</i>, Under Review. 5. Kun Yan, Wenping Ma, and Shaohui Sun, "BECS: A Privacy-Preserving Computing Sharing Mechanism in 6G Computing Power Network," in <i>IEEE Transactions on Mobile Computing</i>, Under Review. doi: doi.org/10.48550/arXiv.2412.06196. 	
PROJECTS	Research on Key Technologies for Mobile Communication Network Security <i>Datang Mobile Communications Equipment Co., Ltd</i> • Security Threats and Requirements in 6G Networks • Applications of Blockchain in 6G Security • Applications of Blockchain and Artificial Intelligence in 6G Resource Management	Nov. 2021 - Oct. 2024
	Research on Security Collaborative Defense Technology for Wind Power Internet Intelligent Manufacturing <i>Shaanxi Provincial Science and the Technology Department</i> • Security, Trust, and Privacy Protection of Data in Distributed Networks • Blockchain-Based Distributed Information Sharing	Jan. 2022 - Dec. 2024

TEACHING EXPERIENCE	Teaching Assistant in Modern Cryptography <i>School of Telecommunications Engineering, Xidian University</i>	Jun. 2022
	<ul style="list-style-type: none"> Introducing the research and application of blockchain 	
	Teaching Assistant in Random Signal Analysis and Applications <i>School of Telecommunications Engineering, Xidian University</i>	May. 2024
	<ul style="list-style-type: none"> Introduction to spectrum sharing and management methods based on artificial intelligence, blockchain and other technologies 	
RESEARCH EXPERIENCE	Supervision of Undergraduate and Master's Theses <i>School of Telecommunications Engineering, Xidian University</i>	Nov. 2021 - Jun. 2024
	<ul style="list-style-type: none"> Guiding undergraduate and master's students in blockchain-related research and supervising their thesis work based on this research. 	
	Research Assistant in Exploration of 6G Networks and Blockchain Technology <i>Datang Mobile Communications Equipment Co., Ltd</i>	Apr. 2023 - Oct. 2024
	<ul style="list-style-type: none"> Research on distributed service security in 6G networks and blockchain-based network management. 	
AWARDS AND HONORS	National Scholarship <i>Ministry of Education of the People's Republic of China</i>	Nov. 2024
	Excellent Graduate Student <i>Xidian University</i>	Nov. 2024
	First Prize Academic Scholarship <i>Xidian University</i>	Oct. 2023
	Third Prize of the First National Cryptography Contest <i>Chinese Association for Cryptologic Research</i>	Aug. 2022
SKILLS	Languages: Chinese, English.	
	Programming: Golang, C++, MATLAB, Python.	
ACADEMIC SERVICES	Reviewers for: <i>IEEE Transactions on Network and Service Management,</i> <i>IEEE Internet of Things Journal,</i> <i>IEEE Communications Letters,</i> <i>IEEE Consumer Electronics Magazine.</i>	

Last updated: Dec. 2024