

Jiachun Li

CONTACT INFORMATION

PhD Candidate
SEIEE 3-335
Department of Computer Science & Engineering
Shanghai Jiao Tong University
800 Dongchuan Rd.,
Shanghai 200240, China

Work: +86-198-0213-7901
E-mail: jiachunli@sjtu.edu.cn
Website: jiachunli98.github.io

RESEARCH INTERESTS

**Internet of Things Security; Wireless Charging Security;
Space-air-ground Integrated Network;**

EDUCATION EXPERIENCE

Shanghai Jiao Tong University, Shanghai, China Sep. 2020 to Jun. 2025

Ph.D., Computer Science & Engineering

- Adviser: Professor **Haojin Zhu** (IEEE Fellow)

Nanyang Technological University, Singapore, Singapore Oct. 2023 to Oct. 2024

Ph.D., Computer Science & Engineering

- Adviser: Associate Professor **Jun Luo**

Huazhong University of Science and Technology, Wuhan, China Sep. 2016 to Jun. 2020

B.S., Communication Engineering, June 2016

- GPA: 3.92/4 (*Ranking: 4/131*)

HONORS & AWARDS

- [1] **National Encouragement Scholarship**, Ministry of Education of PRC, 2017.
- [2] **Merit Student**, Huazhong University of Science and Technology, 2017, 2018.
- [3] **National Scholarship**, Ministry of Education of PRC, 2018.
- [4] **Excellent Student Cadre**, Huazhong University of Science and Technology, 2018.
- [5] **Excellent League Cadre**, Huazhong University of Science and Technology, 2018.
- [6] **National Encouragement Scholarship**, Ministry of Education of PRC, 2019.
- [7] **Pacemaker to Merit Student**, Huazhong University of Science and Technology, 2019.
- [8] **Outstanding Graduates**, Huazhong University of Science and Technology, 2020.
- [9] **First prize in East China Area**, in 4-th “Changfeng Cup” National College Contest, Chinese Institute of Electronics, 2021.
- [10] **Merit Student**, Shanghai Jiao Tong University, 2021, 2022, 2023.
- [11] **Excellent League Member**, Shanghai Jiao Tong University, 2021, 2022.
- [12] **Huatai Securities Scholarship**, Shanghai Jiao Tong University, 2023.
- [13] **Scholarship from China Scholarship Council**, China Scholarship Council, 2023.

PUBLICATIONS

- [1] **[INFOCOM'23] Jiachun Li**, Yan Meng, Le Zhang, Guoxing Chen, Yuan Tian, Haojin Zhu, and Xuemin (Sherman) Shen, "MagFingerprint: A Magnetic Based Device Fingerprinting in Wireless Charging," in *the IEEE International Conference on Computer Communications (INFOCOM'23)*, 2023, (CCF A).
- [2] **[TII] Jiachun Li**, Yan Meng, Lichuan Ma, Suguo Du, Haojin Zhu, Qingqi Pei, and Xuemin (Sherman) Shen, "A Federated Learning based Privacy-preserving Smart Healthcare System," *IEEE Transactions on Industrial Informatics (TII)*, vol. 18, no. 3, pp. 2021-2031, 2022.
- [3] **[TVT] Jiachun Li**, Weijiong Zhang, Yan Meng, Shaofeng Li, Lichuan Ma, Zhen Liu, and Haojin Zhu, "Secure and Efficient UAV Tracking in Space-air-ground Integrated Network," *IEEE Transactions on Vehicular Technology (TVT)*, 2023.
- [4] **[ICCC'23] Jiachun Li**, Yan Meng, Le Zhang, Fazhong Liu, and Haojin Zhu, "EM-Whisperer: A Voice Injection Attack via Powerline for Virtual Meeting Scenarios," *IEEE/CIC International Conference on Communications in China (ICCC'23)*, 2023.
- [5] **[ICCE'19] Jiachun Li**, Ruiqi Li, Yuting Zhou, Junlin Xian, Xiong Zhang, and Xiaojun Hei, "Inferring Student's Attention in a Machine Learning Approach: A Feasibility Study," *IEEE International Conference on Consumer Electronics-Taiwan*, 2019, EI.
- [6] **[Air and Space Defense] Jiachun Li**, Weijiong Zhang, Lingcun Qiu, and Le Zhang, "Secure Routing Algorithm of Space-Air-Ground Integrated Network Based on Probability", ISSN 2096-4641, CN 31-2147/E, 2023.
- [7] **[Security'22]** Yan Meng, **Jiachun Li**, Matthew Pillari, Arjun Deopujari, Liam Brennan, Hafsah Shamsie, Haojin Zhu, and Yuan Tian, "Your Microphone Array Retains Your Identity: A Robust Voice Liveness Detection System for Smart Speakers," in *the 31st USENIX Security Symposium (USENIX Security'22)*, 2022, (CCF A).
- [8] **[TDSC]** Yan Meng, **Jiachun Li**, Haojin Zhu, Yuan Tian, and Jiming Chen, "Privacy-preserving Liveness Detection for Securing Smart Voice Interfaces," *IEEE Transactions on Dependable and Secure Computing*, 2023, (CCF A).
- [9] **[ICCC'23]** Yan Meng, **Jiachun Li**, Fazhong Liu, Shaofeng Li, Haotian Hu, and Haojin Zhu, "GB-IDS: An Intrusion Detection System for CAN Bus Based on Graph Analysis," *IEEE/CIC International Conference on Communications in China (ICCC'23)*, 2023.
- [10] **[INFOCOM'23]** Yan Meng, Yuxia Zhan, **Jiachun Li**, Suguo Du, Haojin Zhu, and Xuemin (Sherman) Shen, "De-anonymization Attacks on Metaverse," in *the IEEE International Conference on Computer Communications (INFOCOM'23)*, 2023, (CCF A).
- [11] **[IWQOS'21]** Binhan Xi, Shaofeng Li, **Jiachun Li**, Hui Liu, Hong Liu, Haojin Zhu, "BatFL: Backdoor Detection on Federated Learning in e-Health," *International Workshop on Quality of Service (IWQOS)*, pp. 1-10, 2021 (CCF B).
- [12] **[ICC'23]** Shaofeng Li, Wen Wu, Yan Meng, **Jiachun Li**, Haojin Zhu, and Xuemin (Sherman) Shen, "Data Poisoning Attack against Anomaly Detectors in Digital Twin-based Networks," *2023 IEEE International Conference on Communications (ICC)*, 2023, (CCF C).

PROFESSIONAL
SERVICE**Journal Reviewer**

- IEEE Transactions on Information Forensics and Security (TIFS)
- IEEE Transactions on Wireless Communications (TWC)

- IEEE Transactions on Industrial Informatics (TII)
- Peer-to-Peer Networking and Applications (PPNA)
- Transactions on Machine Learning in Communications and Networking (TMLCN)
- Wireless Network

Conference Reviewer

- **Shadow PC for IEEE Symposium on Security and Privacy (S&P) 2021**
- Formal Reviewer for IEEE Globecom, 2019, 2020, 2021.
- Formal Reviewer for IEEE ICPADS 2020.
- External Reviewer for IEEE S&P 2020, 2021.
- External Reviewer for ACM Conference on Computer and Communications Security (CCS).
- External Reviewer for USENIX Security.
- External Reviewer for Network and Distributed System Security Symposium (NDSS).
- External Reviewer for IEEE Transactions on Mobile Computing (TMC).

MORE
INFORMATION

More information and auxiliary documents can be found at
<https://jiachunli98.github.io/>.