

# 瞿建

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## 🎓 教育背景

西安交通大学, 西安 2021 – 至今, 预计 2025 年毕业  
在读博士研究生 (硕博连读) 计算机技术, 智能网络与网络安全教育部重点实验室

西安交通大学, 西安 2019 – 2021  
硕士研究生 网络安全, 智能网络与网络安全教育部重点实验室

西安交通大学, 西安 2013 – 2019  
学士 计算机科学与技术少年班

## 📖 学术论文

- [1] **Qu, J.**, Ma, X., Liu, W., Sang, H., Li, J., Xue, L., ... & Guan, X. (2022) Landing Reinforcement Learning onto Smart Scanning of The Internet of Things. In IEEE INFOCOM 2022-IEEE Conference on Computer Communications. (CCF A)
- [2] Ma, X., **Qu, J.**, Li, J., Lui, J. C., Li, Z., Liu, X., & Guan, X. (2021) Inferring Hidden IoT Devices and User Interactions via Spatial-temporal Traffic Fingerprinting. In IEEE/ACM Transactions on Networking, vol. 30, no. 1, pp. 394-408. (CCF A, student first author)
- [3] Ma, X., **Qu, J.**, Li, J., Lui, J. C., Li, Z., & Guan, X. (2020). Pinpointing Hidden IoT Devices via Spatial-temporal Traffic Fingerprinting. In IEEE INFOCOM 2020-IEEE Conference on Computer Communications. (CCF A, student first author)
- [4] Ma, X., **Qu, J.**, Chen, F., Liu, W., Li, J., Tao, J., ... & Zhang, Z. L. (2021). One Host with So Many IPs! On The Security Implications of Dynamic Virtual Private Servers. IEEE Communications Magazine, vol. 59, no. 2, pp. 64-69. (JCR Q1, student first author, IF = 9.619)
- [5] **Qu, J.**, Ma, X., Liu, W. (2021). Querent-centric Domain Name System Modeling and Its Application in Passive Software Discovery. In 2021 8th International Conference on Dependable Systems and Their Applications (DSA). (EI)
- [6] Wang, X., Ma, X., & **Qu, J.** (2021). A Link Flooding Attack Detection Method based on Non-Cooperative Active Measurement. In 2021 8th International Conference on Dependable Systems and Their Applications (DSA). (EI, student second author)
- [7] **Qu, J.**, Ma, X., Liu, W. (2022). Who Is DNS Serving For? A Human-Software Perspective of Modeling DNS Services. In Transactions on Services Computing. (CCF B, under review)
- [8] Ma, X., **Qu, J.**, Shi, M., ... & Guan, X. (2022) Website Fingerprinting over Encrypted Proxies: A Context-aware Approach and Countermeasures. In IEEE Transactions on Dependable and Secure Computing. (CCF A, student first author, major revision)
- [9] **Qu, J.**, Ma, X., Li, J., Luo, X., ... & Guan, X. (2022) A General Framework for Landing Deep Learning onto Traffic Fingerprinting. In USENIX Security'22 (CCF A, major revision)

## 📑 专利成果

- 已授权专利: 一种基于自发流量的物联网设备识别方法. 专利号 ZL201911404458.2
- 已授权专利: 一种物联网设备流量序列指纹特征提取方法. 专利号 ZL201911385226.7
- 已申请专利: 网络流量多序列匹配方法、系统、设备及可读存储介质. 申请号 2021104373114
- 已申请专利: 一种 autossch 反向代理检测方法、系统、设备及可读存储介质. 申请号 2021104835289

## 💖 获奖情况

- 二等奖, 华为杯第十八届中国研究生数学建模竞赛 2021 年
- 西安交通大学特等奖学金、优秀研究生 2020 年
- 西安交通大学二等奖学金 2019 年
- 西安交通大学三等奖学金 2018 年
- 省级一等奖, 全国大学生数学建模竞赛 2017 年
- 西安交通大学思源奖学金 2017 年

## 👥 项目经历

IPv4 空间物联网设备主动扫描的调度优化 2021 年 8 月 – 2022 年 12 月  
负责人 博士研究生基础业务费项目

