

WEIZHAO JIN

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Education

Zhejiang University	September 2014 - June 2018
• Bachelor of Engineering in Electrical Engineering and Automation	
University of Virginia	August 2018 - May 2020
• Master of Engineering in Computer Engineering	
University of Southern California	August 2020 - May 2025(Expected)
• Ph.D. Student in Computer Science	

Research Experience

Security Lab, University of Virginia	Student Research Assistant	October 2018 – May 2020
Advisor: Tian Yuan		
Vulnerabilities of Autonomous Vehicle Sensor Fusion Algorithm		January 2019 – May 2020
• Training adversarial examples against vision recognition module		
• Testing and attacking the sensor fusion algorithm of the autonomous vehicle platform Baidu Apollo		
Security Research on User Behavior Analytics for Facebook Login Protection		January 2019 - May 2019
• Developed a chrome extension to record user activity data and conduct a security experiment survey on Facebook		
• Designed a hypothetical security warning mechanism for Facebook login protection		
Vulnerabilities of Dedicated Short-Range Communication		October 2018 - January 2019
• Analyzed existing vulnerabilities in the current version of DSRC protocol for connected vehicles		
• Designed several attacks on DSRC protocol on connected vehicle modules		
USS Lab, Zhejiang University	Student Research Assistant	October 2017 - June 2018
Advisor: Professor Wenyuan Xu		
Security Research on Multi-factor Verification for Online Accounts		
• Employed OpenBTS and USRP, combining Osmocombb open source projects, built a SMS sniffing system		
• Investigated the online account security issue caused by SMS based multi-factor verification		
• Designed a chain reaction attack mechanism which can compromise most of the online service accounts		

Publication

- [1] Tu Le, Ingy ElSayed-Aly, Weizhao Jin, Seunghan Ryu, Guy Verrier, Tamjid Al Rahat, B. Brian Park, and Yuan Tian, Poster: Attack the Dedicated Short-Range Communication for Connected Vehicles In 40th IEEE Symposium on Security and Privacy, 2019
- [2] Le, Tu, et al. "Evaluating the Dedicated Short-range Communication for Connected Vehicles against Network Security Attacks." VEHITS. 2020.

Teaching Experience

University of Virginia	Graduate Teaching Assistant	December 2019 – May 2020
• Responsible for class preparation and test grading for Probability (APMA 3100)		
• Holding weekly workshops for problem sets and projects		
University of Virginia	Graduate Teaching Assistant	August 2019 – December 2019
• Responsible for class preparation and test grading for Applied Statistics and Probability (APMA 3110)		
• Holding weekly workshops for problem sets and projects		

Activities

ACM TURC 2018	Volunteer	May 2018
• Communicated and coordinated with foreign scholars during the conference		
• Coordinated participants with check-in related procedures		
AIESEC Overseas Internship Department	Program Coordinator	October 2014 - June 2015
• Liaised with overseas internship companies, assisted interns in working visa issues		
• Participated in the coordination of the Youth to Business Hangzhou event		

Overseas Internship Program

Intern

July 2015 - August 2015

- Participated in training volunteers, managed task assignment at NGO RESALA in Egypt
- Assisted RESALA in holding a Global Village cultural exchange activity

Skills And Awards

Language: Chinese (native speaker), English (proficient), German (European B1)**Technical:** Python, Pytorch, C/C++, Matlab, Assembly Language, MySQL, Java, Ubuntu, Javascript**Awards:** Third Place in the 2015 Zhejiang University English Listening Competition (with 3,000 participants), Winner Team Member in the 2016 Zhejiang University Rugby League