Xusong Wang

Penetration Tester and Automotive
Security Researcher Candidate

Profile

Information Technology master candidate and Offensive Security Certified
Professional with the ambition of becoming an Information Security Penetration
Tester. My expertises are exploiting development, infrastructure and web application
penetration testing, proof of concept in C, python, Bash and Assembly. Besides, with
previous academy background in embedded system and working experience in
automotive Tier1 , I am also strongly interested in Automotive Security.

It is expected to graduate in May 2021. Currently I am looking forward to getting a
full-time job opportunity.

Current Education

Master of Science in Information Technology(Infotech)

University of Stuttgart, Stuttgart

October 2018 — May 2021 (EST.)

https://www.infotech.uni-stuttgart.de/

Certifications

Offensive Security Certified Professional (OSCP)

January 2021 — PRESENT

https://www.youracclaim.com/badges/5d4de02a-5e96-4c40-bac6-268c554ae643?
source=linked_in_profile

Penetration Testing Course ADVANCED+

November 2020 — PRESENT

https://www.xusong.de/files/VHLA.pdf

Penetration Testing Course COMPLETION

October 2020 — PRESENT

https://www.xusong.de/files/VHLC.pdf

Pentest Experience

- Scanning (nmap, nessus), metasploit, web scanner(gobuster, Nikto).
- XSS, SQLi, CSRF, LFI, RFI, file uploads and Burp Suite
- Construct specific script using a variety of languages: Python, C, BASH
- Wireless attacking, WPA/WPA2 bruteforcing
- AV bypass techniques

I contributed to the Project CriticalMate for the privacy protection as a Java
programmer.

https://www.criticalmate.de/about/

- Telemetry data collecting
- Security solution with crossing encryption of RSA and AES
- Intellectual Properties protection through Abstract Syntax Tree

Details

RESIDENCE

Stuttgart, Germany

NATIONALITY

China

TELEPHONE

+49 15222494769

EMAIL

xusongwon@gmail.com

Links

LinkedIn

Publications

Personal website

Skills

Burp Suite/SQLMap/Metasploit

Buffer Overflow/CSRF

Kali linux/CentOS/Ubuntu/FreeBSD

Encryption/Privacy Security

CAN/CAN FD/LIN/FlexRay

HTML/CSS/PHP/JavaScript

MATLAB/Simulink/Stateflow

OWASP Top 10 like SQLi/CSRF/

XSS Python/C/C++/Java

Employment History

Field Application Engineer, dSPACE (China)

https://www.dspace.com/zh/zho/home.cfm

June 2015 — August 2018

- System Requirements definition and requirements linking
- Code auto-generation and verification
- MIL, SIL, HIL testing

Internship in United Automotive Electronic Systems (China)

http://www.uaes.com/servlet/portal/index.html

May 2014 — September 2014

Previous Education

Master of Engineering in Vehicle Engineering

Chongqing University, Chongqing

September 2013 — June 2015

Bachelor of Engineering in Electronic Information Engineering

Chongqing University, Chongqing

September 2009 — June 2013

Publications

Automatic lighting control method for automobile turning
https://patents.google.com/patent/CN103612593A/en?oq=CN103612593A
Automobile cruise control method
https://patents.google.com/patent/CN105083284A/en?oq=CN105083284A

Control method for key-free emergency unlocking of car door

https://patents.google.com/patent/CN103863249A/en?oq=CN103863249A

Arrangements for automotive doors is without key emergent unlocking
control method
https://patents.google.com/patent/CN103863249B/en?oq=CN103863249B

Other Interesting Work

Machine Learning - LSTM networks for time series simulation
https://www.xusong.de/files/LSTM.pdf

January 2020

Image Processing - Image restoration by implementing ADMM on GPU
https://www.xusong.de/files/ADMM.pdf

March 2020

Languages

English

Chinese

German

Japanese

Hobbies

Football, Anime