

# 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](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

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### EMAIL

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## 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?q=CN103612593A>

Automobile cruise control method

<https://patents.google.com/patent/CN105083284A/en?q=CN105083284A>

Control method for key-free emergency unlocking of car door

<https://patents.google.com/patent/CN103863249A/en?q=CN103863249A>

Arrangements for automotive doors is without key emergent unlocking control method

<https://patents.google.com/patent/CN103863249B/en?q=CN103863249B>

## Languages

English

Chinese

German

Japanese

## Hobbies

Football, Anime