

Peiran Wang

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Education

09/2018 – Present Sichuan University, Chengdu, China

- Bachelor of Cyberspace Security Dept. of Cyber Science and Engineering, Zhuoyue Class(网安卓越班)

GPA: 3.89/4.00 90.72 (rank 2/173)

Awards: National Student Scholarship during 2018-2019(国家奖学金) (Top 2% of 173 students)

University's Scholarship First-class Reward during 2018-2019(Top 2% of 173 students)

University's Scholarship Third-class Reward during 2019-2020 (Top 10% of 173 students)

The provincial third prize of the National University Student Mathematical Contest in Modeling

The provincial third prize of the National University Student Mathematical Contest

Research Experiences

03/2021 - Present Prof. [Beibei Li](https://li-beibei.github.io/)'s group(<https://li-beibei.github.io/>), CSE, SCU, China

Project: **Smart Home Privacy Protection System**

- Developed a system which can protect smart home users' privacy using deep learning
- Learned the use of git and how to cooperate with others

04/2020 – Present Prof. [Chenghuang](https://chenghuang.org/)'s group(<https://chenghuang.org/>), CSE, SCU, China

Project: **JavaScript Browser-side Cryptomining Detectionusing Static Methods**

- Learned basic steps for machine learning and how to use it for malicious code detection.
- Learned the processes of composing a paper, the skills of reading, and summarizing a paper.
- A paper is submitted to TrustCom 2021

11/2020 – Present Prof. [Beibei Li](https://li-beibei.github.io/)'s group(<https://li-beibei.github.io/>), CSE, SCU, China

Project: **Research about the byzantine-tolerant mechanism**

- Developed a novel byzantine-tolerant mechanism in Federated Learning
- A paper is expected to be submitted to TIFS

Publications

1. “JavaScript Browser-side Cryptomining Detectionusing Static Methods” [P. Wang](#).(Paper submitted to TrustCom 2021)

Research Experiences

- *AI security*
- *Malicious code detection*
- *Federated Learning*

Language Skills

01/2021 IELTS **R:** 8.5 **L:** 8.5 **S:** 6.5 **W:** 5.5 **Total:** 7.5

Technical Skills

- **Professional Skills:**penetration testing,/basic cyber security skills/
- **Preferred programming language:**C/Python/JavaScript/HTML
- **Familiar programming framework:**Flask/Keras/scikit-learn/numpy/matplotlib/pandas

Summary

I studied hard since I entered SCU, and got a top scholarship(National Student Scholarship which is given to the top 2% in my university) during 2018-2019. I was good at math and got A or A- in most of my courses related to math or computer. The experience of CTF competition was essential to me as well. The experience helped me to understand the desire of industrial community and led me to improve my combat capability. I had learned some other web vulnerabilities such as SQL-injection, XSS, CSRF and was familiar to the binary vulnerabilities as well. Meanwhile, I'd also developed the habit of reading paper which improved my English reading skills.