**Peiran Wang**

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***Education***

09/2018 – Present Sichuan University, Chengdu, China

· Bachelor of Cyberspace Security Dept. of Cyber Science and Engineering, ***Excellent Engineer Class***

GPA: ***3.89/4.00 90.72*** (rank ***2/172***)

**Awards:** ***National Student Scholarship*** during 2018-2019 ( 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’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’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’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 ***ISCC 2021***

***Publications***

1. “**JavaScript Browser-side Cryptomining Detectionusing Static Methods**” **P, Wang.**(Paper submitted to ***TrustCom 2021***)
2. ***A paper about Byzantine Defense in Federated Learning***.**P, Wang.**(Paper submitted to ***ISCC 2021***)

***Research Experiences***

* ***AI security***
* ***Malicious code detection***
* ***Federated Learning***
* ***IoT Security***

***Language Skills***

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

***Technical Skills***

**· Professional Skills:**penetration testing/basic cyber security skills/

**· Preferred programming Languages:**C/Python/JavaScript/HTML

**· Familiar programming Frameworks:**Flask/Keras/scikit-learn/numpy/matplotlib/pandas

***Summary***

I’ve 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 am good at math and get A or A- in most of my courses related to math or computer. Meanwhile, I’ve also developed the habit of reading paper which improved my English reading skills. Some times, I’ll write some paper reading notes in Chinese and upload them to my blog. My current research interest is in AI security and IoT security. I’ve already finished a paper about Federated Learning security and done the experiment on my own.