Wenxuan SHI

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Citizenship: China

Education

Southern University of Science and Technology Shenzhen, Guangdong
B.Eng in Computer Science Sep. 2018 – Jun. 2022
Mentor: Professor Fengwei ZHANG. *GPA: 3.78/4.00 (Professional course 3.89).*

Honors and scholarships

2019 ICPC Asia Yinchuan Regional Contest Silver Medal 2019
2019 ICPC Asia Nanjing Regional Contest Bronze Medal 2019
2020 Mathematical Contest in Modeling Honorable Mention 2020
2019 ASC Student Supercomputer Challenge Second Class Prize 2019
Outstanding Student Scholarship (SUSTech) 2018,2019,2020

Research experience

COMputer And Systems Security (COMPASS) Lab
Mentors: Professor Fengwei Zhang (SUSTech) Sep. 2020 – Present
Make use of ARM hardware features to implement security tools like transparent analysers and reverse debuggers. Explore the applications of these features in more areas.

Teaching experience

Student Assistant, Department of CSE (SUSTech) Spring 2021
CS102A: Introduction to Computer Programming A
The course aims to cultivate talented students who have programming experience before. OOP and programming techniques are introduced.

Skills

Programming
Proficient in: Python, Java.
Familiar with: C++, RUST, JavaScript, Kotlin, Swift.

Course Projects

Game Platform Sep. 2020 – Dec. 2020
An online game platform that enable users to purchase, download, and comment. SDK provided to developers to support friend invitations, cloud archives, DLC, incremental updates, etc.

Docker Escape Oct. 2020 – Dec. 2020
Exploring ways to escape from Docker containers' resource constraints by triggering `cgroup` miscounting.