

BRIEF INFORMATION

- Open-minded, self-motivated, and willing to learn new things. Have a good ability and abundant experiences to work, communicate in a team.
- Familiar with Linux system, have lot of experiences of software developing and maintaing.
- Looking for internships related to software development or distributed system.

EDUCATION

Bachelor of Computer Science , <i>Southern University of Science and Technology</i>	Sept, 2019 — Jun, 2023
GPA: 3.71/4.0 Rank: 51/181	
Visiting International Student , <i>University of Wisconsin - Madison</i>	Sept, 2022 — Dec, 2022
GPA: 4.0/4.0	
Master of Science in Computer Science , <i>Northwestern University</i>	Sept, 2023 — Dec, 2024 (Expected)

SKILLS

Tools and Languages	Java, C/C++, Python, GDB, \LaTeX , Markdown
Research Fields	Computer Security, Cloud Native
Communication	Chinese, English

RESEARCH EXPERIENCE

An Automatic and Efficient Configuration-Based Microsegmentation Policy Generation System Jun, 2022 — Jun, 2023

This work focuses on the internal security of microservices. It automatically generates microsegmentation policies based on the configuration of microservices, and auto updates the policies when the configuration changes, so that users can block malicious traffic, and protect the microservices from attacks like lateral movements. This work is submitted to CCS 2023 and is under review.

- Implemented an eBPF-based system to extract internal traffic of microservices, which is used to verify the correctness of the generated policies.
- Designed and conducted the evaluation of the policy generation system, which shows the advantages of our system in terms of efficiency, accuracy and security improvement.

INTERNSHIP EXPERIENCE

Shanghai Kachuu Information Technology Co., Ltd. Jul, 2021 — Aug, 2021

Software Engineer Intern

- Investigated the current website development technologies based on the separation of frontend and backend.
- Independently designed, developed and tested many company's background management systems.
- Mainly employed Spring Boot and MySQL for developing, and used Jenkins for continuous integration.

Hangzhou MagicShield Information Technology Co., Ltd. Jun, 2022 — Aug, 2022

Cloud Native Research Intern

- **Did resarches on the micro-segmentation of cloud native applications.**
- Mainly researching on solutions for automatic network policy generation of Kubernetes.
- **Independently developed a east-west traffic extraction and policy generation system based on eBPF.** Now this system is integrated into the company's product as a submodule.

PROJECTS

SUSTech Store Sept, 2021 — Jan, 2022

Leader, Developer

- Employed Spring Boot and Vue, implemented a campus second-hand trading platform.
- Independently designed the system and implemented the backend.
- Contains complete authorizing and authentication mechanisms to protect the security of possessions.

SPL Compiler Sept, 2021 — Jan, 2022

Developer

- Our team implemented a SPL (a language designed for this course) compiler with C language, which can do lexical analysis, syntax analysis and semantic analysis to finally generate MIPS32 assembly codes.
- Independently implemented a preprocessor that can parse basic preprocess instructions like macros and file inclusion. I also took responsibility for the designing of data structures, like symbol tables, to support the following phases.
- This project is awarded as one of the two best projects in the course.