CHIH-HSUAN YANG

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GitHub: github.com/25077667
Blog: hackmd.io/@25077667/blog
My website: scc-net.tw

EDUCATION

Researcher at Information Security Lab — July. 2019 – May 2022(expected)
National Sun Yat-sen University — Taiwan, ROC

Bachelor of Computer Science and Engineering — Sep. 2018 – May 2022(expected)
National Sun Yat-sen University — Taiwan, ROC
- Awardee of scholarships by information security

WORK EXPERIENCE

Club's Founding President — September 2019 – June 2021
Information Security Club, NSYSU — Kaohsiung, Taiwan
- R&D, Server Maintainer
- Teaching, Communicator

Network manager — September 2019 – June 2020
Campus Dormitory Promote Association, NSYSU — Kaohsiung, Taiwan
- Network manager, R&D

Information Security Engineer Intern — June 2019 – August 2019
Telecom Technology Center — Kaohsiung, Taiwan
- Develop automatic apk vulnerability detection tool chain.
- Study static analysis tool which look for bugs in Java code.(SpotBugs)

PROJECTS AND RESEARCH

My Home Cloud | *Docker, NextCloud, Golang, Rust* — June 2021 – present
A cloud can fully replace Google

My Library | *Git, Python, SQLite* — June 2021 – present
A content searchable distributed academic library

The Container Security in Healthcare Data Exchange System — February 2021 – present
| *Docker, eBPF, Fuzzing, Kernel*
Bachelor's degree graduation project

High Scalability Wireguard VPN Server | *Docker, Golang* — April 2021 – June 2021
Using docker swarm with Heidi Cheng

Information Security Club Backend | *Golang, Docker, C++* — April 2020 – August 2021
High concurrency server

NSYSU reCAPTCHA Solver | *C++, Python* — Spring 2021
Using CNN recognizor with Ernest Chu

NTRU Booster on FPGA | *C, Verilog* — Fall 2020
Using NTT with Max Hsu

Arduino Remote Airplane | *JavaScript, Arduino* — Fall 2018
Control airplane easily by your phone

Automatic Farm Control System | *Raspberry pi, Arduino* — Summer 2018
An IoT, smart home project

CONFERENCE AND TEACHING EXPERIENCE

Operating System Teaching Assistant   February 2021 – June 2021
Department of Computer Science and Engineering, NSYSU   Kaohsiung, Taiwan

Maker and Microprocessor   June 2021 – July 2021
Lan Tan Junior High School   Chiayi, Taiwan

Macaca Cup Hackathon   August 2020
SITCON Lighting Talk   Taiwan, Taiwan

COMMUNITY INVOLVEMENT

Sharestart   2019 – present
Volunteer   Taiwan

MOPCON   2019
Sponsorship team   Kaohsiung, Taiwan

SKILLS

Languages: Chinese (Native), English
Programming: Modern C++(17), C (kernel module), Shell script, Python, Golang
Skill: Linux, Docker, Git, Nginx, mongoDB
Document Creation: LaTeX, Markdown