

# Chih-Hsuan Yang 楊志璿

✉ [zxc25077667@gmail.com](mailto:zxc25077667@gmail.com) 🗺 [hackmd.io/@zxc25077667/blog](https://hackmd.io/@zxc25077667/blog) 🐙 [github.com/25077667](https://github.com/25077667)

## Education

**B.S. in Computer Science and Engineering**

*Kaohsiung, Taiwan*

National Sun Yat-sen University (NSYSU)

Sep. 2018 - Jun. 2022

- Awardee of scholarships by information security
- MOST Research Grant for Undergraduate Students 獲科技部大專學生研究計畫補助
- **Best Paper Award Candidate:** [The Container Security in Healthcare Data Exchange System](#)
- Researcher in [Information Security Lab](#) (mentor: Chun-I Fan) for 3 years.

## Work Experience

**Researcher and Developer**

*Taipei, Taiwan*

Engine Team, TeamT5

Oct. 2022 - present

- Co-working
  - Receive **3** coworker awards at the **first** retrospective meeting.
  - Promoted to be senior before hitting **3 months** of joining.
- Tech-skills
  - Shoving in my **first** commit right before hitting **5 hours** from onboarding.
  - Developed a testing framework to **reduce** testing costs from **5+ hr** to **15 min**.
  - Resolve over **3 million** level requests **concurrently**.
  - Identified and resolved a memory leak issue that had gone undetected for 7 years.

**Operating System Teaching Assistant**

Department of Computer Science and Engineering, NSYSU

*Kaohsiung, Taiwan*

Feb. 2021 - Jun. 2022

- Familiar with **Boot**ing process from **BIOS** and from **process, sched\_entity**.

**Club's Founding President**

*Kaohsiung, Taiwan*

Information Security Club, NSYSU

Sep. 2019 - Jun. 2021

- Leading **6 members** to cooperate 2 server for **over 25 containers** and growing to **100 people**.
- Teaching **more than compulsory's** number of people in our club.
- **Introducing security guides for campus affair office**.

## Selected Open Sourced Projects

**Django renderer in C++**

Author

*GitHub*

Oct 2022, Dec 2022

- A Django language supporting renderer in **C++20**
- Using **co-routine, conan, boost, CMake**
- Familiar with **Functional programming, Serializa-tion**

**Facebooc**

Main developer/Leader

*GitHub*

Apr 2022, present

- A Facebook implementation in **GNU C11**
- Familiar with **Copy-on-Write, aio, SOLID** pattern, **madvice, zero-copy** in C
- Familiar with **gdb, Address sanitizer, Valgrind** in debugging
- Familiar with **GNU Makefile, GitHub CI** to build and release

## Writing

*The Container Security in Healthcare Data Exchange System*

CISC2022

*Linux Kernel Scheduler Internals*

GitHub

*The Linux Kernel Module Programming Guide*

GitHub

*Debian Reference*

Debian official Salsa