

Education

- **National Cheng Kung University** Taiwan
B.S., Engineering Science Sep. 2015 - May. 2017
– Relevant courses: Signals and Systems, Logic Design, Electronics, etc.
- **Seoul National University** Korea
Exchange Student, Computer Science and Engineering Sep. 2017 - Jul. 2018
– Relevant courses: Operating System, System Programming, Computer Architecture, Compiler, Computer Vision, etc.

Work Experience

- **SUSE** Beijing, China
Intern Oct. 2018 - Jan. 2019
– Part of a group working for openSUSE Tumbleweed testing
– Programming Perl on openQA.
- **DYSK Labs** Taiwan
Intern Aug. 2018 - Sep. 2018
– Setup GPU/CPU unified memory for tensorflow on ppc64le, learnt tensorflow memory allocator from source code on my own
– Tested tensorflow build on ppc64le with custom tests.
– Wrote documentation for programmers describing the environment.

School Projects

- **SnuPl/1 compiler**
Compiler Course, 4190.409 Sep. 2017 - Jan. 2018
– Programmed and debugged full frontend of the compiler.
– Implemented compiler code generator for x86 assembly.
- **Source Code Plagiarism Detector**
Jan. 2018 - Feb. 2019
– Designed and implemented source code plagiarism detector,
– Visualized plagiarism results with graphviz and Neo4j.
- **Weighted Round Robin Scheduler**
Operating System Course, 4190.307 Mar. 2018 - Jul. 2018
– Worked on the WRR Scheduler(Weighted Round Robin) project in a team of three.
– Programmed and debugged WRR algorithm into linux kernel on Samsung Artik device. Learnt linux kernel programming on my own
– Designed load-balancing between 8 cores.
– Tested the project with plenty of test cases.

• Other Projects

2015 - 2018

- Added features to *AMACCA* *Another Mini ARM C Compiler* A Small C Compiler generating ELF executable for Arm architecture
- Deploy tiny-yolov3 and darknet on Raspberry Pi, fine-tune tiny-yolov3 with WIDER FACE dataset
- Built a fecal sampler on Raspberry Pi, designed power supply for actuator controlling.

Skills

Programming Languages: C/C++, Java and x86 Assembly

Natural Languages: Native speaker in Chinese, Proficient in English(TOEFL 100) and Japanese(JLPT N1)

Miscellaneous: Software configuration management, strong verbal and written communication skills, troubleshooting and debugging skills, good teams skills