

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
Undergraduate, Computer Science and Engineering Sep. 2017 - ongoing
– Relevant courses: Operating System, System Programming, Computer Architecture, Compiler, Computer Vision, etc.

Work Experience

- **Software Platform Lab** Seoul National University
Intern Mar. 2019 - ongoing
– Part of a group working on distributed system especially in serverless computing
– Java Programming with intensive AWS practices.
– Submitted two papers for conferences as first author and third author.
- **SUSE** Beijing, China
Intern Oct. 2018 - Jan. 2019
– Part of a group working on our linux distribution – openSUSE Tumbleweed
– Perl Programming 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 working in the environment.

Projects

- **Incubator-nemo Lambda Executor** Apache Software Foundation
Google Summer of Code May. 2019 - Sep. 2019
– Programmed on connections with Amazon Lambda function.
– Implemented test cases and nextmark queries in Java.
- **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

- Implemented kafka web server in golang, part of streaming processing feature of TiDB
- Added features to *AMACCAnotherMiniARMCCCompiler* 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++, golang, python, Java and x86 Assembly

Natural Lanuages: 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