Jeong Won (David) Oh

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Education

2017 - 2022

Yonsei University, Seoul
Bachelor of Science in Electrical and Electronic Engineering
GPA 2.81/4.30

Relevant Courses Completed
Engineering Information Processing, Digital Logic Circuit, Data Structure, Algorithmic Thinking, Computer Architecture, Operating System, Introductory Digital Labs, Application Programming, Microprocessor, Introduction Artificial Intelligence, Digital System Design, Electrical and Electronic Engineering Capstone Design, Embedded System Lab, Multi-Core and GPU Programming
Overall GPA of above courses 3.37/4.30

2022 - present

Tokyo Institute of Technology, Tokyo
Master student in Information and Communications Engineering

Experience

Sep. 2017 - Feb. 2019

College of Engineering Student Council
- Managed the student union fee as a secretary

Mar. 2019 - Jul. 2019

Yonsei University General Student Council
- Worked as a deputy head of the general affairs department
- Managed the *134th anniversary Yonsei Muak Daedong Festival*

Jul. 2019 - Aug. 2019

EE Programing Training in Summer 2019
- Programming training held by Prof. William J. Song for students who worked for TA in *Engineering Information Processing* course
- Reviewed the basics of C programming and understood about the differences between C and C++ and basic C++ concepts
- Learned C++ programming in Linux and using Makefile and debugging tools

Sep. 2019 - Dec. 2019

Teaching Assistant, Engineering Information Processing
- Tutored 50 freshmen students out of 100 in *Engineering Information Processing* course weekly
- Planned and instructed 1.5 hours of programming lab sessions biweekly
- Assisted in writing and grading homework and exams

Project

Aug. 2020 - Dec. 2020

Accelerating Grover's Algorithm on QuEST
- Completed for graduation thesis per *Electrical and Electronic Engineering Capstone Design* course with a fellow student
- Studied grover's algorithm and gained in depth understanding regards to quantum computing basics
- Modified the simulator(QuEST) to use CUDA Unified Memory and merged quantum gate operation functions and earned avg. 2.5x faster on computing grover's algorithm on QuEST

Interests   Computer Architecture, Computer System, Computer Security, Parallel Processing

Nationality   Korean / U.S. Citizen (born in US and grown up in Korea)

Skills   C, C++, CUDA, Python, Verilog, MS Office, Apple iWork

Hobbies   Basketball, Baseball, Music, Rubik's Cube

Language   Korean (Native), English (Proficient), Japanese (Beginner)