

# Jeong Won (David) Oh

Phone: (+81) 080 6137 5407

E-mail: [oh.j.ad@m.titech.ac.jp](mailto:oh.j.ad@m.titech.ac.jp)

## Education

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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 Intelligent, 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

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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 134<sup>th</sup> 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

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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)