

Younseo Ryu

Undergraduate Student | La Jolla, CA

Seeking 2020 Software Engineering Internship (Spring/Summer)

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EDUCATION

Bachelor of Science in Computer Science
University of California San Diego, CA

Expected June 2021
GPA: 3.83/4.00

Associate in Science in Transfer Computer Science
De Anza college, CA

June 2019

Relevant Coursework: Data Structures, OOP, C++, Java, Vector Calculus, Linear Algebra, Statistics

TECHNICAL SKILLS

Programming Languages	C++, C, Java, Python, SQL, HTML, CSS, JavaScript, Shell Scripting, Kotlin
Software & Tools	Git, Vim, Unix, Junit, Ant, Node, Express, MongoDB, Angular

WORK EXPERIENCE

Technical Assistant, full time Internship
Saline

2018-07 - 2019-09
Seoul, South Korea

- Studied **IP-XACT** and received training on **Magillem IP-XACT tools**.
- Researched relevant resources to assist members on **fixing and reporting bugs**.
- Worked as a technical assistant at **seminars** on IP-XACT at **Samsung Electronics** and **SK Hynix**.
- Assisted **setting up lab environment** and **hands on introduction** to Magillem IP-XACT packager.

Teaching Assistant, part time job
CIS Lab

2018-09 - 2019-03
De Anza College, Cupertino, CA

- Tutored** students in **C++, Java**, and **assembly language**.
- Significantly Increased work efficiency** by implementing a website that collects common questions asked by students.
- Provided assistance**, including grading students' exams, clerical support, classroom management, and document coordination.

PROJECTS

Full-Stack Web Development Projects. Built **Zodiac Web Application**, **Book Search Engine**, and **Social Media Web Application**. Handled Node, Express, MongoDB to build **Back-End**, and used HTML, CSS, JavaScript, Bootstrap, and jQuery to build **Front-End**. Learned the fundamentals of web development.

Data Structures Project. Led a team of four and implemented **templates**, **binary search trees**, and **hash tables** in C++ to store, sort, and search in **Amazon Product Database** that includes ASIN, brand name, etc.

Maze Solver Project. Programmed a maze solving program that uses **Breadth First Search** and **Depth First Search** as a project for Data Structures class. Received an A grade for it.

AWARD, PUBLICATION, and LEADERSHIP

Excellent Youth Scholars Award received for research paper on **sorting algorithms** and their **time complexity** in "2016 Korea Scholar's Conference for Youth" sponsored by **Korean Ministry of Education**.

Publication on peer-reviewed research journal, The National High School of Journal of Science, in 2017 titled "**The New Method to Calculate the Electric Field from an Accelerating Charge**".

Founder of Click the World, a tech club in De Anza College. **Coordinated events** with engineers working at companies like **Facebook** and **Google**. **Oversaw all committee activities**, and reported the results of Inter Council Club meetings at club meetings.