

# Minwoo Kwak

## Software Developer

 minwk79@gmail.com

 [portfolio](#)

 [GitHub](#)

### EDUCATION

**B.S in Computer Science**  
University of California, Irvine  
Specialized in Information  
Class of 2022

**GPA 3.77**  
Dean's Honors List **2019 - 2022**

**Relevant Courses:**  
U/I Software Development,  
Software Design Principles,  
Relational Database & NoSQL,  
Data Structure & Algorithms

### SKILLS

Javascript  
HTML, CSS  
React  
Python  
C, C++  
SQL  
Firebase  
Git  
Excel

### CAREER OBJECTIVE

Seeking for a Software Developer/Intern position. Interested in designing and programming responsive software using modern frameworks. Ready to work in a team-centered environment. Motivated to learn new skills through targeted mentorship.

### PROJECTS

#### Responsive Portfolio Website

Javascript, React, Tailwind CSS

- Built a fully responsive portfolio using UI framework React and Tailwind CSS.
- Improved user experience through Dark Mode support and Form submission.

#### Project Management App

Javascript, React, Firebase

- Built a project management app with React and Javascript..
- Administered user authentication and real-time data storage using Firebase.
- Boosted user experience by instantly reflecting data updates and filtering projects by category.

#### Search Engine

Python, Flask

- Built a fully functional search engine from scratch using python.
- Administered fast full-text search by using inverted index data structure.
- Query response time under 300ms, searching from thousands of websites.

#### Live Auction

C, Linux

- Developed a live auction that supports concurrent bids.
- Enabled users with the ability to register an account, post and bid on auction.
- Integrated Client-Server model with mutex lock to manage multiple synchronous reads of data.