

# Jun Ham

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## Experience

### The Boeing Company

Colorado Springs, CO

Software Engineer

Aug 2021 – Sep 2022

- Designed, implemented, and maintained microservices part of the WGS (Worldwide Global Sat-com) program
- Created a broker relay service using websockets and spring boot (Java) to receive and send JMS messages
- Created a standalone windows service to run microservices without the use of command line or an IDE
- Built templates for new tables using SQL, PGAdmin, and DBVisualizer for PostGres and MongoDB Databases

### Hydroflow

Irvine, CA

Mobile Android Developer

Oct 2020 – May 2021

- Created and launched an IOS and Android mobile application that monitors and suggests daily water intake.
- Designed and implemented a Docker container within two sprints satisfying yearly goals for development.
- Implemented Redux state containers using ReactNative and Android Studio to improve future editions.
- Built a UI homepage that implemented Google login features using Google SignIn API and JavaScript.

### Southland Roofing Inc

Los Angeles, CA

FrontEnd Developer

Jun 2020 – Sep 2020

- Launched a web application to help both employees and customers with quotes regarding roofing and demolition.
- Created the backend of the application using ReactJS and MongoDB to store user login credentials.
- Improved company efficiency by 200% after the launch of an automated website, relieving in-person quote duties.

### South Orange County College Community District

Irvine, CA

Computer Science Instructor

2017- 2019

- Mentored college students with various academic problems regarding algorithms or debugging issues.
- Familiarized myself to quickly reading, understanding, and editing code written by others.
- Increased the performance of the computer lab by improving the ratings by +30% throughout my two years.

## Projects

### HealthClock

Irvine, CA

University of California, Irvine

2020 - 2021

- HealthClock measures a user's biometrics to provide meal plans and exercise recommendations.
- Led product design and software development for Healthclock's fintech client.
- Designed the UI of the client using ReactNative, integrating ReactJS features to implement a database

### CubeSat

Irvine, CA

Irvine High School

2018 - 2019

- Admitted into and engaged in NASA's CubeSat Launch Initiative assembling and launching a CubeSat
- Competed against other high schools in the nation meeting 4 hours per week
- Implemented the propulsion unit of the CubeSat, allowing assembly with the power and framework sections

## Education

### University of California, Irvine

Irvine, CA

B.S. Computer Science

2019 – 2021

### Irvine Valley College

Irvine, CA

A.S.T. Computer Science, Mathematics, Physics

2017 – 2019

## Skills

**Technical:** Python, Java, C++, JavaScript, React.js, React-Native, Node.js, C, SQL, Bash, HTML, CSS

**Software:** Github, Android Studio, Spring, Docker, Jira, Confluence, Slack, Discord, Google Analytics, SendGrid, PGAdmin, DBVisualizer, MongoDB, PostMan, SwaggerUI, EclipseIDE, VSCode

**Business:** Agile Methodologies, Usability Testing, Personas and Segmentation, Lean Methodology, Google Design Sprints

**Courses:** AI, Data Mining, Databases, Security, Data Structures and Algorithms, Information Retrieval, Search Engines

**Design:** Design Thinking, UI/UX Design, Information Architecture, System Design

**Languages:** English, Korean