

# Chan Woo Park

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[parkchanwoo.me](http://parkchanwoo.me) | [linkedin.com/in/chanwpark](https://www.linkedin.com/in/chanwpark) | [github.com/ChanwO-o](https://github.com/ChanwO-o)

## Education

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University of California Irvine

B.S. Computer Science

Irvine, CA

December 2020

## Skills

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**Programming:** C++, CSS, HTML, Java, JavaScript, Kotlin, Python, REST API, SQL, TypeScript

**Tools:** AWS, Docker, GCP, Git, GitHub, Jira, Linux, MongoDB, MySQL, Nginx, Tomcat, Segment

**Frameworks:** Android, Angular, Dagger, Express, Firebase, Flask, JDBC, Junit, Node.js

## Experience

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**Android Engineer** – Android, Augmented Reality, Firebase, Git, Java

Jan 19 – Sept 20

Vusar

Irvine, CA

- Rendered 3D augmented reality models onto device camera using ARCore SDK
- Designed a cloud filing system that uploads local files to Firebase Storage. Implemented efficient caching strategy that saved average user up to 1.6 GB of data
- Constructed login system with Firebase Auth to allow real-time synchronization across multiple devices
- Refactored codebase to adopt MVVM software architecture, improving app memory usage by 40%
- Collected user analytics with Segment.io, tracking over 10,000 readings in user behavior

**Infrastructure Intern** – Digital Ocean, Git, Linux, Nginx, SSL

Sept 16 – Nov 16

Shou Ji Han Yu

Seoul, Korea

- Setup Linux server infrastructure to securely forward client requests to webapp through Nginx
- Installed and configured server-side applications including TeamCity, Certbot, Node.js, MongoDB

**Android App Developer** – Android, Java, Testing, XML

Nov 15 – Jul 16

UC Irvine

Irvine, CA

- Developed Android apps that simulate lab procedures designed for training senior participants
- Collaborated with research team on testing documents and logging progress of subjects

## Projects

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**FabFlix** – Android, AWS, Ajax, CSS, GCP, HTML, Java, JavaScript, JDBC, MySQL, Security

May 20

- Built a full stack web application for browsing and purchasing movies using IMDB datasets
- Implemented a cart & checkout system for processing eCommerce transactions
- Reused API endpoints with Java Servlets to serve both web and mobile platforms
- Deployed on Amazon Web Services and Google Cloud Platform using Tomcat webserver
- Scaled app with load balancer to redirect traffic to master or slave servers
- Setup security measures to prevent SQL injection attacks, perform secure authentication using password encryption

**Personal Website ([parkchanwoo.me](http://parkchanwoo.me))** – Angular, Docker, Express, Linux, Node.js, MongoDB

Aug 20

- Created a full-stack web portfolio using MEAN stack technologies
- Minimized page requests by managing as single page application using Angular components and router
- Create API endpoints using Node.js and Express to retrieve blogposts from database to frontend
- Simplified deployment to production server in 3 commands by isolating layers into Docker containers

**Tamagotchi AR** – Android, Augmented Reality, Hackathon, Java

Jan 20

- Led a team of developers in building a pet-simulator mobile game in AR using ARCore SDK