

Chan Woo Park

University of California Irvine, B.S. Computer Science
Irvine, CA
Dec 2020, GPA: 3.073

cwpark2@uci.edu
(310) 666-8374
linkedin.com/in/chanwupark
github.com/Chanwo-o

Skills

Languages: Java, Python, C++, C, JavaScript, TypeScript, Bash, Queries (SQL, MongoDB), Korean, Mandarin
Platforms: Android, Linux (Ubuntu, Mint, CentOS), Firebase, AWS, Docker, Node.js, Angular, Express.js
Tools: Git, GitHub, Jira, Unity, Slack, SSH, Nginx, Segment, CircleCI, Confluence, Trello

Experience

Android Engineer • VUSAR

Jan 2019 – Current

Startup company that provides visualization tools for viewing 3D files in augmented reality

- Developed core features of Android app using Java, Android Studio and Google's ARCore SDK
- Follow MVVM architecture using Jetpack components including LiveData, ViewModel, and Data Binding
- Perform secure user authentication, download and cache user files from Firebase
- Integrate Segment API to track user analytics and forward to Customer.io for user marketing
- Conduct unit tests to allow continuous integration using Espresso test framework

Korean Augmentee to the US Army • 2nd Infantry Division, Eighth US Army

Nov 2016 – Aug 2018

Served in the 2nd Infantry Division Headquarters, Camp Red Cloud

- Administered awards for two thousand soldiers in the Division, allowing smooth offboarding of personnel
- Performed as Korean-English translator between both armies to dissolve communication barriers in military operations
- Participated in theater wide Korea-US combined Army field exercises that simulate real war-time scenarios

Infrastructure Intern • ShouHan

Sep 2016 – Nov 2016

Startup company that provides matching service between tutors and foreign students to learn Hangul

- Established staging server using Nginx web server and automated build triggers from TeamCity and Git
- Configure web server with SSL certificates, reverse proxy routes and load balancing

Projects

Personal website (parkchanwoo.com)

May 2018

- Full stack single-page application using AngularJS, Express.js, Node.js and MongoDB
- Hosted website content on a Virtual Private Server (Digital Ocean) linked to private domain with custom DNS settings
- Setup and secured server via SSH by restricting root access and opening Ubuntu firewall to limited ports
- Received A+ grade by SSL Labs with advanced security measures on Nginx web server by rerouting traffic to https

Websocket Course Alert

Dec 2018

- Personal web application that tracks live changes in openings of UCI courses using Python and Flask framework
- Notify updates on course openings to users via phone SMS using Twilio API

Search Engine

Feb 2019

- Construct inverted index from corpus of approximately 37000 files obtained by crawling UCI web servers
- Rank search results by tf-idf values while considering advanced prioritization methods (stop words, multiple terms)

Data Structure Implementations

Jun 2016

- Build functional data structures (HashMaps, Binary Trees, ArrayLists, Graphs, etc) using characteristics of C++
- Construct unit tests to thoroughly test each method of every structure

Honors

- **Army Commendation Medal** • LTG Bills, Michael A. Eighth US Army Commander Aug 2018
- **Butterworth Product Dev. Competition (3rd place of 35 teams)** • Munchies • iOS & Firebase Apr 2016
- **HSK (Chinese Language Proficiency Test) Level 3** • Confucius Institute Headquarters Nov 2016
- **Dean's Honor List** • UC Irvine Dec 2015