

Jehan Kobe Chang

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SKILLS

Python • Java • C++ • Kotlin • C • C# • Swift • Javascript • HTML/CSS • Android • AWS • GCP • Node.js • iOS • Typescript • Sketch • Unity • Agile • Socket.IO • Machine Learning • NumPy • Jupyter • REST • Docker • Firebase • Virtual Reality • MySQL

EXPERIENCE

Spotify

New York, NY

Software Engineering Intern (Full Stack / Mobile)

June 2021 - September 2021

- Developed features for Spotify's global, billion dollar end of year campaign: Spotify Wrapped. (**iOS, Android**)
- Drove project management of a consumer product feature across the entire product life cycle from conceptualization to production. Integrated back-end and database features across multiple cross-platform codebases.
- Collaborated cross-functionally to evaluate technical/product tradeoffs and optimize user engagement.
- Added to existing **MVVM architectures** using **Swift, UIKit, Xcode, Kotlin, RxJava, Dagger, Android Studio**.

UC Irvine ICS 53 Course Staff

Irvine, CA

System Design Tutor

September 2020 - January 2021

- Fortified students' knowledge of **System Design (C, Socket Programming, thread-safe Process Management, Multithreading)** while helping them develop strong research, debugging, and learning strategies.
- Coordinated with a teaching staff of 15 people in the remote management of 200+ students over Zoom.

Samsung STAR Labs (aka. NEON)

Campbell, CA

Software Engineering Intern (Full Stack / Mobile)

June 2020 - September 2020

- Engineered and managed a NLP virtual assistant mobile application using **Android Studio, Kotlin, Distributed Systems, AWS** and **GCP**.
- Developed functions on AWS Lambda using Node.js to create chatbot functionality and make external API calls.
- Worked extensively with the CEO and the Korea Design Team in an **Agile** development process with biweekly sprints.

Essential

Palo Alto, CA

Software Engineering Intern (Full Stack / Mobile)

June 2019 - September 2019

- Designed core features of a company-wide project "Voice-Mode" through building a Walkie Talkie **Android app**.
- Launched three scalable projects in the span of three months using **full-stack systems** with **Android, Unity** front-end, **AWS/Node.js** backend, **Firebase** database/persistence.
- Integrated a Smart Reply machine learning service based on a selected personality using **Tensorflow** and **Python**.

Amplify.ai

Palo Alto, CA

Software Engineering Intern

June 2017 - September 2018

- Advanced Amplify's Natural Language Processing (NLP) system to automate the process of ingesting training data for Amplify's AI systems, from **web scraping** customer's websites, RSS feeds, FAQs and call center scripts.
- Increased workflow efficiency for designers by developing a **Sketch** plugin that transforms designs into ready-to-use Facebook Chatbots. Decreased bot deployment time by over 30%.

SELECTED PROJECTS

Guitar VR | [kokobe.github.io/guitar](https://github.com/kokobe/guitar)

- Utilized the **Oculus Quest's hand tracking** to create a **Unity VR** app that enables users to easily play a virtual guitar.
- Dynamically produces any note from one sample note and can play thousands of songs.

Predicting Rainfall with Machine Learning | School Project

- Led a team of three and oversaw the design and implementation of an ensemble of **machine learning models** (decision tree forest, feed-forward neural networks, KNN, regression, etc.).
- Achieved an accuracy of 89.27% through bagging and boosting, dropout regularization, and cross validation.

Glorious Noon | [Steam](https://store.steampowered.com/app/1234567890/)

- Developed and published on **Steam** a VR game named "Glorious Noon" using **Unity**.
- It is **cross-platform (HTC Vive, Oculus Touch)** with **over 70k downloads** and an overall **Positive** review.
- Designed all 3D models using **Blender**; oversaw advertising, community outreach, beta-testing feedback on Steam.

EDUCATION

University of California, Irvine

Irvine, CA

Bachelor's of Science in Computer Science

September 2018 - June 2022

- Cumulative GPA: 3.94, Major GPA: 3.96, Campuswide Honors Collegium (2.5% of 2022 class), Dean's Honors List