

# Noah Kim

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## EDUCATION

### University of Southern California

Los Angeles, CA

*Bachelor of Science - Computer Science; Major GPA: 3.51*

*Graduating December 2023*

**Relevant Coursework:** *Introduction to Algorithms and Theory of Computing, Software Engineering (Java), Data Structures and Object Oriented Design (C++), Introduction to Artificial Intelligence (C++), Principles of Software Development (Java), iOS App Development (Swift), Discrete Methods in Computer Science, Probability Theory, Video Game Programming (C++), Introduction to Computer Systems (C)*

## EXPERIENCE

### Full Stack Web Developer

August 2017 – Present

*JMPforce (Part-time)*

*Remote*

- Developed an MVP AI companion for elderly care residents using JavaScript, Swift, PHP, MySQL, OpenAI API, and Oddcast's Avatar API to improve resident's quality of life through personalized interaction and support
- Collaborated with a five-person development team to develop a full-stack custom virtual-event platform for American International Group (AIG), a major financial services company, using JavaScript, PHP, and MySQL
- Developed a full-stack application using JavaScript and PHP to update and display the daily food menu in a 120+ resident elderly care facility on smart TVs, enhancing the residents' quality of life and streamlining workers' tasks

## PROJECTS

### The Browser Bot | *React, OpenAI API, SpeechRecognition API, Spotify API*

July 2023 - Present

- Developed a natural language processing voice command interface for a study and work assistant dashboard with React as the frontend, enabled by OpenAI combined with SpeechRecognition
- Users have the ability to talk to ChatGPT, conduct Google searches, and create study sessions through personalized music playback from their Spotify account, accompanied by a timer for enhanced productivity
- Implemented Spotify OAuth, along with cookies to track user sign-in status and manage their token ID

### EasyTeamUp | *Java, Android Studio, Google Firebase (Realtime Database + Auth)*

January 2022 - May 2022

- Created a Java-based Android app to foster collaborative study and work opportunities
- Implemented event creation and real-time notifications through Google Firebase Realtime Database
- Used Google Firebase for user sign-up/sign-in capabilities
- Implemented an interactive map using Google Map API

### EduConnect | *Swift, MessageKit, Google Firebase (Realtime Database + Auth)*

April 2022 - May 2022

- Developed an iOS social network application for USC students
- Implemented real-time messaging using MessageKit
- Connected users through their current location, courses, and interests using Google Firebase Realtime Database
- Used Google Firebase for user sign-up/sign-in capabilities

### SoCal Events | *Java, socket.io, MySQL, JavaScript*

September 2021 - December 2021

- Developed a full-stack web application with real-time event notifications and secure invitation-based participation
- Employed Java and socket.io for the back-end and integrated JavaScript for the frontend
- Implemented user sign-in/sign-up capabilities using hashing and MySQL

## TECHNICAL SKILLS

**Languages:** JavaScript, C++, Java, PHP, Swift (iOS), SQL, HTML, CSS

**Frameworks:** React, Node.js, Bootstrap, WordPress

**Developer Tools:** Git, MongoDB, Google Firebase, MySQL, phpMyAdmin, Android Studio, XCode, VS Code

**Platforms:** AWS (EC2), Docker, Google Cloud