MinSung Kim

kmaxsung@gmail.com

SKILLS

Java, Python, Javascript, Ruby on Rails, React.js, React Native, Ajax, jQuery, HTML5/CSS3, Node.js, Express, Flask, Socket.io, MongoDB, Mongoose, PostgreSQL, SQL, Bash, Git, Github, Postman, Trello, Slack, Figma

EXPERIENCE

SciQuel, Cambridge, MA - *Software Developer Intern*

June 2022 - August 2022

- Contributed significantly to the development of the login and sign up frontend using React Native, resulting in a 67% increase in conversion rate.
- Led the successful redesign of graphical user interfaces to improve user experience during login and sign up.
- Designed and tested the database schema for Podcast and Video features.
- Developed comments backend and implemented a script for the comments API, handling comment posts and replies to enhance user engagement.

PERSONAL PROJECTS

WebRTC-Chat: Web app that employs WebRTC for real-time audio and video communication, establishing peer-to-peer connections within customized rooms. Users generate unique room links, where Socket.io facilitates WebSockets to a signaling server. This server orchestrates SDP negotiation, ICE candidate exchange (Trickle ICE), and deploys publicly accessible STUN servers alongside a custom TURN server configured on a Digital Ocean droplet. *WebRTC, Socket.io, React.js, Node.js/Express, Coturn

TripHub: Trip planning web app inspired by Git version control, enabling users to collaboratively plan a trip using branch and merge features. Utilized agile methodology to work collaboratively with a team, including stand-ups, sprints, and code reviews. Gained experience working with project management tools like Trello to track progress and prioritize tasks. *Ruby on Rails, PostgreSQL, HTML/CSS

IMprover: Mobile app that provides you with the tools necessary to create the foundations of an original composition or to create backing tracks to practice improvisation. Utilized Expo and Expo SDK to streamline the development process and enhance app performance across platforms. *React Native, Expo AV SDK

EDUCATION

Brandeis University - Waltham, MA - *B.S., Computer Science*

January 2020 - May 2023

Relevant Coursework: Structure and Interpretation of Computer Programs, Database Management Systems, Operating Systems, Data Structures and Algorithms, Web Application Development, Mobile Application Development, Fundamentals of Artificial Intelligence, Discrete Structures, Calculus, Probability and Statistics, Applied Linear Algebra
Honors: GPA: 3.5; *cum laude* | Dean's List (2020, 2021, 2022, 2023)

Brandeis University Radio Station(WBRS.org) 2021 - 2023

- Provided technical support for the station's website, including updating content and troubleshooting crashes in both the website and radio stream.
- Streamlined the station's password management process by assisting with the onboarding of executive board members to Passbolt, an open-source password manager.