MinSung Kim

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SKILLS

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

EXPERIENCE

SciQuel, Cambridge, MA - *Software Developer Intern* | June 2022 - August 2022

- Played a pivotal role in close collaboration with the design team to transform Figma mock-ups into fully functional features, leading to a 67% increase in conversion rates for the login and sign-up screens developed in React Native.
- Spearheaded the redesign of graphical user interfaces, resulting in a marked enhancement in user experience for both the login and sign-up processes.
- Implemented responsive design principles by creating and fine-tuning CSS3 media queries to accommodate various mobile screen sizes.
- Engineered a robust REST API for Comment functionality using Node.js and Mongoose, facilitating user engagement.

PERSONAL PROJECTS

WebRTC-Chat: Web app that employs WebRTC for real-time audio and video communication, establishing peer-to-peer connections within "chat-rooms". Users generate unique room links, where Socket.io facilitates WebSockets events to a signaling server. This server orchestrates SDP negotiations, ICE candidate exchanges (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. Implemented agile methodologies to work collaboratively with a team, including stand-ups, sprints, and code reviews. Responsible for creating responsive single-page applications, implementing essential controller functions for CRUD operations, and leading the system design of the merge feature. *Ruby on Rails, PostgreSQL, HTML/CSS/JS, jQuery*

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 mobile operating systems. *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.