

JIHOON (FIONA) CHOI

Software Engineer

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[Portfolio](#)

[LinkedIn](#)

[Github](#)

SKILLS JavaScript, Python, Node.js, React, Redux, Express, Flask, PostgreSQL, Sequelize, SQLAlchemy, HTML5, CSS3, Web Development, Linux, Alembic, REST APIs, Pair Programming, Test Driven Development, Object Oriented Programming

PROJECTS

weStudy | (React / Redux, Python, Flask, PostgreSQL, AWS S3, Flask-SocketIO, HTML, CSS)

[live](#) | [github](#)

- Utilized **socket.io** library to allow for live chat messaging within respective rooms and display live updates of group members' online statuses from user dashboard
- Integrated **Google Calendar API** allowing users to add events to their Google Calendar by logging in with **OAuth**
- Optimized the use of a normalized **Redux** store state to reduce the number of fetch calls and loading times, and to access data that's being updated, deleted, and/or rendered in **O(1) time complexity**
- Conducted authorization checks using **React hooks**, redirecting users to secure paths based on credentials

Split-a-Bill | (React / Redux, Python, Flask, PostgreSQL, AWS S3, HTML, CSS)

[live](#) | [github](#)

- Integrated **Stripe API** to allow users to pay expenses with credit card
- Enabled users to choose a personal profile picture using **AWS S3** for easy image uploads
- Improved on SplitWise's design by creating more intuitive functionality and navigation
- Communicated with group members and coordinated to maximize efficiency to complete MVP features

Inkr | (React / Redux, JavaScript, Node.js, Express, PostgreSQL, Sequelize, HTML, CSS)

[live](#) | [github](#)

- Utilized **Bcrypt** to hash user passwords before storing them in the database to ensure user privacy and created user authorization routes to restrict access
- Incorporated **AJAX** to fetch API from the backend routes to interact with the database
- Leveraged **Redux** to create a single page app by saving states throughout a user's session to dynamically render **React** components upon changes created by the user without a refresh

EXPERIENCE

Math Teacher

San Leandro Unified School District

Aug 2018 - Jun 2021

- Presented frameworks for the application and adaptation of various online educational programs and our learning management system as a Technology Education Consultant for a group of 20 educators across the district as we abruptly transitioned to distance learning
- Designed and implemented curricula to serve 175 learners of diverse backgrounds through distance, hybrid, and in-person classes while collaborating with administration and parents to foster effective learning environments

Math Teacher

Diocese of Oakland

Feb 2017 - June 2018

- Collected and analyzed STAR testing data to drive the development of individualized learning plans for 100 students, then assessed and adjusted to meet the needs of each student to improve individual STAR scores by 15%
- Managed the organization and execution of individualized learning plans while collaborating with staff and parents

EDUCATION

University of California, Berkeley - BA Mathematics, 2012-2016

AppAcademy - 1000-hour immersive full-stack web development program, 2021-2022