Jonathan Hsu

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Summary

App Academy graduate with experience in working across the full stack of software development with Javascript and Python.

Skills

React.js, Redux, JavaScript (ES6), Express.js, Python, Flask, sqlAlchemy, HTML5, CSS3, SQL, postgreSQL, Sequelize, Node.js, AWS, Heroku, Websocket, Git, Docker

Projects

Venmo Clone   [live site](#) | [github](#)

React.js, Redux, JavaScript, Python, Flask, HTML5, CSS3, Docker, Git, postgreSQL, Heroku, sqlAlchemy

Venmo Clone is a clone of Venmo that allows registered users to interact with each other by sending/ requesting payments, as well as viewing and commenting on other users' payments.

- Designed a backend route that reduced heavy amounts of queries by allowing the transfer of funds with one single payment API call.
- Integrated a custom front-end validation function that verifies the input from a user as a valid amount of money.
- Built a clean and simple UI with React and css3, minimizing the clicks for intuitive usage for the users.

Slack Clone   [live site](#) | [github](#)

React.js, Redux, JavaScript, Python, Flask, HTML5, CSS3, Docker, Git, postgreSQL, Heroku, AWS S3, Websocket, sqlAlchemy

Slack Clone is a clone of Slack that allows users to create private workspaces, channels, and direct messages with live chatting. A collaboration with 3 other software engineers.

- Implemented socket.io which allows instantaneous communication between React.js front-end and flask back-end, granting the users the ability to send and receive messages in real-time.
- Applied customized design and functionality to the react-quill library for a smooth user experience in rich text editing.
- Designed the database schema and data flow using sqlAlchemy with Flask in the backend while integrating intuitive front-end design with React/Redux.

Fitness Overflow   [live site](#) | [github](#)

JavaScript , node.js, express.js , CSS3 , HTML5 , Heroku, Git, sequelize, postgreSQL, Heroku, Pug

A forum website that allows users to have full CRUD features in creating comments and asking questions within the community. A collaboration with 3 other software engineers.

- Developed user authentication while securing users' personal information by implementing password hashing with BCrypt.
- Configured the Node backend with postgreSQL, using the Sequelize ORM for validations and database queries.

Education

App Academy | Fall 2021 - Spring 2022 | Online
- Immersive software development course with a focus on full-stack web development.

CEU Cardenal Herrera University | Fall 2019 - Spring 2021 | Alfara del Patriarca, Spain
- Academic Pursuit: Dentistry

University of Illinois at Urbana Champaign | Fall 2017 - Spring 2019 | Champaign, IL

College of Fine + Applied Arts, BS in Architectural Studies
- Relevant Software Engineering Coursework: Intro to Computer Science