

# ZHIQI (RENA) LIN

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U.S. CITIZEN

[PORTFOLIO](#)

[GITHUB](#)

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**SKILLS** Javascript(ES6), Python, ReactJS, Redux, Node.js, Express.js, REST API, Flask, PostgreSQL, Sequelize, SQLAlchemy, HTML, CSS, Github, Heroku

## EDUCATION

**Full-Stack Web Development** - App Academy | August 2022

**Bachelor of Science in Civil Engineering** - University of Connecticut | 2016 - 2020

## PROJECTS

**Discordable** (Python, Flask, SQLAlchemy, PostgreSQL, React, Redux, AWS, SocketIO)

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

*A text chat app inspired by Discord, user can create his/her own servers and channels to hang out with their communities and friends.*

- Worked independently on creating 5 backend API routes and various frontend react components for a logged-in user to create, read, edit and delete their server, channel, and message. As well as join and quit a server owned by another user.
- Managed and built the application state shape using Redux. Implemented actions and reducers to handle states for new components. Created several Redux-Thunk as middleware to handle asynchronous actions successfully.
- Implemented AWS S3 cloud object storage for profile image upload to provide a convenient and user-friendly image service on the application.
- Addressed real-time issues by implementing a live chat technology SocketIO to allow users to communicate lively in different message channels.

**Wehelp** (Python, Flask, SQLAlchemy, PostgreSQL, React, Redux, Google Map, AWS)

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

*A crowd-sourced local restaurant reviews site inspired by Yelp. This site has detailed information for individual restaurant businesses, where users can post reviews and images of their experience within the individual business.*

- Collaborated closely with a team of 3 engineers to plan, design, and construct an almost pixel-perfect front-end clone of Yelp in one week, while ensuring the technical feasibility of the designs.
- Created a GitHub scrum board and daily activities schedule to provide a scope of work for everyone else in the team, in order to ensure timely execution in a fast-paced bootcamp environment.
- Designed 7 API routes, including business, review, category, images, user, and authentication by utilizing Python Flask and SQLAlchemy.
- Implemented 6 features, including business CRUD, review CRUD, search/filter, google maps, and AWS.
- Provided support to teammates utilizing various knowledge in technology, logic, and algorithm to solve complex issues during group work.

**Airvnb** (JavaScript, Express, PostgreSQL, Sequelize, React, Redux)

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

*A web application inspired by Airbnb provides an online vacation rental marketplace.*

- Developed 5 backend API routes and various frontend react components for a logged-in user to create, read, edit and delete their listing, booking, and reviews.
- Implemented backend and frontend user authentication by combining JavaScript, ExpressJS, PostgreSQL, React, and Redux, allowing for secure and efficient user login/signup.
- Controlled project workflow successfully and effectively by managing parallel productions of the versions. Utilized GitHub flow as a version control tool for the application.
- Implemented dotenv NPM package for application environment configuration in order to protect secured information.
- Created NPM scripts for Sequelize database migration commands.

## EXPERIENCE

**Project Engineer** - Bond Building Construction Inc.

June 2019 - Jan 2022

- Involved in UCONN Boiler Replacement & Utility Tunnel Project (\$15 million value) and UCONN Supplemental Utility Project (\$50 million value)
- Reviewed and organized about 50 subcontractor companies' compliance documentation flow using Autodesk BIM 360 system, including subcontractors' submittals, RFI (Request for Information), and quality control field report.