

WING NIN CHEUNG “RICKY”

SOFTWARE ENGINEER

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[Portfolio](#)

San Francisco Bay Area, CA

EDUCATION

Immersive Software Engineering Program with Focus on Web Development
App Academy

Mar-Aug 2022

Bachelor of Science in Applied Mathematics, Concentration in Statistics
San Jose State University, San Jose, CA

2016-2019

PROJECTS

Wecord 2.0 - JavaScript, React, Redux, Python, Flask, SQLAlchemy, PostgreSQL, Socket.io, CSS3

July 2022; Jan 2023

A full-stack chat app where users are able to chat in real-time in different servers and channels

[Live Site](#) | [Github](#)

- Designed various RESTful APIs and frontend React components for logged-in users to create, read, edit and delete their servers, channels, and messages, as well as joining and leaving servers owned by other users.
- Addressed real-time issues by implementing a live chat technology with SocketIO to allow users to communicate in real-time in different servers and channels.
- Diagnosed and Resolved major bugs independently occurred between instant messaging and editing/deleting messages from Wecord 1.0.
- Collaborated closely with a team of three engineers to apply best Git workflow practices via GitHub from managing pull requests to resolving merge conflicts.

Amasport - JavaScript, React, Redux, Python, Flask, SQLAlchemy, PostgreSQL and CSS3,

Aug 2022

A full-stack app inspired by Amazon where users are able to browse and review products

[Live Site](#) | [Github](#)

- Implemented React.js frontend with Flask backend to update the PostgreSQL database and Redux store for instant viewing, adding, updating and removing items and reviews in shopping carts, orders and products reviews.
- Constructed a flexible search and sort-by category features on products using JavaScript and ensured persistence of search results upon refreshing the webpage by storing query strings in React route.
- Implemented backend and frontend user authentication by combining JavaScript, ExpressJS, PostgreSQL, React, and Redux, allowing for secure and efficient user login, signup and logout.

Delp - JavaScript, React, Redux, Express.js, Node.js, Sequelize, PostgreSQL, CSS3 and Google Maps

June 2022

A food-sharing full stack application where users are able to add and review their favorite restaurants

[Live Site](#) | [Github](#)

- Implemented four features in one week with full CRUD operations on businesses and reviews, search and Google Maps.
- Integrated Google Maps API to dynamically present business locations based on user parameters.
- Incorporated fetch requests from React frontend to connect REST API endpoints with Express.js to retrieve information of restaurants stored in the PostgreSQL database.

EXPERIENCE

Analyst - GCL New Energy, Inc. via Robert Half, San Ramon, CA

Aug 2019 - Jan 2022

- Provided analyses on production data using Microsoft Excel (Pivot Tables, VLOOKUP) to record and maintain operational performance.
- Created and presented detailed financial and operational reports monthly: revenue and expense tracking models, operational performance, and forecasting reports.
- Developed and managed visually impactful dashboards in Tableau for data reporting to identify key metrics and developing trends that led to 5.2% potential increase in revenue.

SKILLS

Languages: JavaScript(ES6+), Python, SQL, HTML, CSS

Technologies: React, Redux, Flask, Node.js, Express.js, PostgreSQL, REST API, SQLAlchemy, Sequelize, WebSocket, Git, Docker, Heroku