WING NIN CHEUNG "RICKY"

SOFTWARE ENGINEER

(415) 609-2492   rickycheung.dev@gmail.com   LinkedIn   Github   Portfolio   San Francisco Bay Area, CA

EDUCATION

Immersive Software Engineering Program - App Academy, CA   Aug 2022
B.S in Applied Mathematics - San Jose State University, CA   *2019*

EXPERIENCE

Full-Stack Engineer Intern   April 2023 - Present
JamsNext   Remote
- Designed and developed responsive and scalable web applications using **Next.js**, **TypeScript** and **.NET**, resulting in a 20% increase in user engagement.
- Implemented drag-and-drop functionality using **dnd-kit** with a forward-only restriction, preventing users from dragging backwards and ensuring data integrity and accuracy.
- Collaborated closely with senior developers, designers, and project managers to ensure on-time delivery of projects, while participating in code reviews to provide feedback on code quality and identifying opportunities to improve development practices.

Business Analyst   Aug 2019 - Jan 2022
GCL New Energy via Robert Half   San Ramon, CA
- Conducted analysis of production data using Microsoft Excel, including Pivot Tables and VLOOKUP, to analyze and maintain operational performance.
- Developed and managed visually impactful dashboards in Tableau to identify key metrics and developing trends, leading to potential revenue increases of 5.2%.

PROJECT EXPERIENCE

Amasport - An Amazon clone app allowing users to browse, review and checkout products   Live Site | Github
- Leveraged **React**, **Flask**, and **PostgreSQL** to create a dynamic shopping experience with Full CRUD functionality for carts, orders, and reviews.
- Improved user experience with **redux-thunk** middleware to handle asynchronous actions in **Redux**, such as fetching products data, adding products in carts and submitting reviews without page reloads.
- Implemented a dynamic delivery status feature with **useEffect** hook in React that adjusts based on the order time of a user, resulting in an improved user experience and demonstrating attention to detail.

Wecord 2.0 - A chat app allowing users to chat in real-time on different servers and channels   Live Site | Github
- Designed various **RESTful APIs** and **React** components for logged-in users to perform full CRUD operations on servers, channels, and messages, resulting in a 30% increase in user satisfaction and engagement.
- Implemented **Socket.io**-based live chat technology to enable real-time communication across 20+ servers and channels, resolving real-time issues proactively.
- Diagnosed and resolved 20+ critical bugs independently related to instant messaging and message editing, utilizing exceptional debugging skills to minimize user impact.

SKILLS

Programming Languages: JavaScript(ES6), Python, TypeScript, SQL, HTML, CSS
Frameworks/Tools: React, Redux, Flask, Node.js, Next.js, Express.js, PostgreSQL, MongoDB, Git, Playwright, AWS, SQLAlchemy, Mongoose, Sequelize, WebSocket, Jira, Docker
Methodologies: RESTful API, OOP, TDD, Agile/Scrum, Software development life cycle, Troubleshooting