WING NIN CHEUNG "RICKY"
SOFTWARE ENGINEER

(415) 609-2492   rickycheung.dev@gmail.com   LinkedIn   Github   Portfolio   Oakland, CA

SKILLS

Languages: JavaScript, TypeScript, Python, HTML, CSS
Technologies: React, Node.js, Express.js, Tailwind CSS, SQL, Flask, MongoDB, AWS, Docker, OOP, Unit Testing, Agile/Scrum, CI/CD, Playwright, Git

PROFESSIONAL EXPERIENCE

Software Engineer Intern | DataLynn   Sept 2023 - Present
- Optimize the website for responsiveness and mobile compatibility by implementing responsive design principles using React and Tailwind CSS, **resulting in a 12% boost in mobile traffic** and **capturing a growing segment of users**.
- Design and develop RESTful APIs using Node.js and Express.js to support the front-end with data retrieval and manipulation, contributing to a **5% growth in user interactions** and **improving user engagement and retention**.
- Conduct routine website updates, encompassing content refreshes and proactive bug fixes, resulting in a **noteworthy 30% decrease in user-reported issues**.

Full-Stack Engineer Intern | JamsNext   May 2023 - Sept 2023
- Engineered a robust drag-and-drop feature using Next.js, TypeScript, and dnd-kit that allowed users to seamlessly rearrange elements, driving a **20% increase in user engagement.**
- Developed a dynamic data presentation feature leveraging TypeScript and Tailwind CSS, resulting in a **substantial increase in user satisfaction**, and a **20% rise in daily user interactions**.
- Engaged proactively in code reviews with Senior Engineers to identify and address critical issues, resulting in a **15% improvement in overall code quality** and a **5% reduction in post-release bug reports.**

PERSONAL PROJECTS

Amasport (JavaScript, React, Redux, Python, Flask, PostgreSQL, Docker, Git, CSS3)   Live Site | Github
An Amazon-clone app that enables users to browse, review and checkout products
- Designed and engineered a robust RESTful backend using Python, Flask, SQLAlchemy, and PostgreSQL, enabling efficient data handling, organization, and storage, resulting in a responsive and dynamic shopping experience.
- 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.
- Integrated a dynamic delivery status feature with useEffect hook in React that adjusts based on the order time of the users, resulting in **an improved user experience** and demonstrating attention to detail.

Wecord 2.0 (JavaScript, React, Redux, Socket.io, Python, Flask, PostgreSQL, Docker, Git, CSS3)   Live Site | Github
A real-time chat app across multiple servers and channels
- Implemented Socket.io-based live chat technology to enable real-time communication across 10+ servers and channels, resolving real-time issues proactively.
- Utilized RESTful APIs and React components for logged-in users, facilitating full CRUD operations on servers, channels, and messages, resulting in a remarkable **25% increase in user engagement.**

EDUCATION

Immersive Software Engineering Program | *App Academy, CA*   Mar 2022 - Aug 2022
- Full-Stack Web Development, Data structures & Algorithms, Databases, OOP, Unit Testing

B.S in Applied Mathematics | San Jose State University, San Jose, CA   2016 - *2019*