WING NIN CHEUNG "RICKY"
SOFTWARE ENGINEER

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SKILLS

- JavaScript | TypeScript | Python | SQL | HTML | CSS
- React | Flask | Express.js | Node.js | Next.js | Tailwind CSS | Postgres | MySQL | MongoDB | SQLite
- AWS | SQLAlchemy | WebSocket | Docker | Agile/Scrum | CI/CD | Playwright | Mocha | Git | JSON

EXPERIENCE

Module Instructional Assistant, Software Engineering - App Academy, Remote US   Jan 2024 - Present
- Facilitated over 30 code reviews, testing, and debugging sessions, contributing to a noticeable improvement in student performance metrics with a **10% increase** and an enhanced overall technical proficiency.
- Demonstrated outstanding interpersonal finesse, self-management, and organizational acumen, leading to a significant **20% increase** in student engagement and improvement in the effectiveness of weekly meetings and instructional material preparation.
- Collaborated with the curriculum development team to integrate real-world projects into the program, enhancing the practical application of skills and fostering a dynamic learning environment.

Computer Science Expert - AI Training - Scale AI**,** Remote, US   Jun 2023 - Dec 2023
- Applied **prompt engineering** techniques to optimize AI performance, addressing over **50 critical issues**, resulting in significant improvements in accuracy and overall model effectiveness.
- Designed and implemented detailed coding prompts and responses to guide the Large Language Model (LLM) training, promoting the practical application of LLMs in research.

Software Engineer Intern - JamsNext**,** Remote, US   May 2023 - Sept 2023
- Engineered a robust drag-and-drop feature for the frontend using Next.js, Redux and TypeScript, leveraging React's component architecture to empower users to rearrange elements and achieve a notable **20%** increase in conversion rate.
- Implemented an advanced dashboard layout toggle on the frontend, ensuring seamless data continuity and delivering an intuitive user interface, resulting in an outstanding **85%** user satisfaction rate.
- Optimized website accessibility for mobile users by applying responsive design strategies using Tailwind CSS, resulting in an optimized and user-friendly browsing experience.

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, as well as leave reviews.
- Architected and deployed a dynamic **RESTful API** backend to enable seamless and efficient user authentication, CRUD operations, and scalable data management using Python, Flask, SQLAlchemy, and PostgreSQL.
- Enhanced user experience with **Redux Thunk** middleware to handle asynchronous actions, including fetching product data, manipulating items in carts, and submitting reviews without requiring page reloads.
- Integrated a dynamic delivery status feature with useEffect hook in React, adapting delivery information dynamically to each user's specific order time, resulting in an improved user experience and showcasing a keen eye for detail.

EDUCATION

Immersive Software Engineering Program - App Academy, CA   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   May 2019
- Relevant Coursework: Programming Fundamentals: Java, Data Structures and Algorithms