

WING NIN CHEUNG “RICKY”

SOFTWARE ENGINEER

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[LinkedIn](#)

[Github](#)

[Portfolio](#)

San Leandro, CA

SKILLS

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

EXPERIENCE

Computer Science Expert - AI Training - Scale AI, Remote, US

Jun 2023 - Dec 2023

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

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.

Business Analyst - GCL New Energy via Robert Half, San Ramon, CA, US

Aug 2019 - Jan 2022

- Applied feature engineering with Python (Pandas, NumPy) to production data, addressing missing/null values, removing outliers, encoding features, and eliminating redundancies, resulting in a 5% model accuracy boost.
- Conducted statistical analysis in Python (scikit-learn) using logistic regression and random forest to identify significant variables and key performance indicators, providing valuable insights for strategic decision-making and process optimization.
- Collaborated with clients and stakeholders to ensure clear understanding of project requirements, facilitating effective communication and alignment throughout the data extraction and analysis process.

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, Introduction to Data Structures