

# Nicholas Wong

Location: San Francisco, CA

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## EDUCATION

### University of California Riverside

September 2021 - June 2025

*B.S. in Computer Science with Business Applications*

*Riverside, CA*

*GPA - 3.5*

**Relevant Coursework:** Data Structures and Algorithms, Discrete Mathematics, Software Development, Probability and Statistics, Data Analysis Methods, Technical Communications, Decision Analysis and Management Science, Operating Systems, Big-Data Management, Artificial Intelligence, Data Mining

## TECHNICAL SKILLS

### Languages

Python, Java, JavaScript, TypeScript, C/C++, SQL, HTML, CSS

### Frameworks / Libraries

React, React Native, Expo, Vue.js, Flask, FastAPI, Qt, Firebase

### Developer Tools

Git, Node.js, MongoDB, Firebase, AWS, Postman, Jupyter Notebook

### Other

Object-Oriented Programming, Agile Workflow (Asana Certified)

## PROJECTS

### GymReact [Demo](#)

Aug 2025

*AI-Powered Cross-Platform Fitness App*

- Built a mobile app with **React Native** and **Expo**, leveraging **OpenAI API** to create personalized workout plans, enabling intelligent recommendations, activity tracking, and calendar scheduling.
- Designed a modular architecture using **React Context API** and **React Native Paper**, integrating **Firebase Auth** to ensure secure, structured user data management and a seamless cross-platform experience.
- Collaborated in an **Agile** team, using **GitHub** for code reviews and issue management for high code quality.

### Job Dashboard [GitHub](#)

Jul 2025

*Data Visualization - Analytics Tool*

- Created an interactive job dashboard using **Python**, **Dash**, and **Pandas** to visualize new grad job postings and provide actionable insights into hiring trends.
- Automated data collection and cleaning from multiple external sources with custom Python scripts and **Github Actions Workflows**, streamlining data aggregation for analysis, collecting 40+ jobs per day.
- Structured and managed a **PostgreSQL** database on **Render**, applying **SQLAlchemy** to organize data columns and enable scalable analytics.

### Trip Creator [Github](#)

Mar 2025

*Full-Stack Trip Planning Web App*

- Engineered a full-stack trip planning application using **React**, **TailwindCSS**, and **TypeScript**, enabling users to efficiently plan trips, schedule events, and manage budgets.
- Developed responsive frontend features with form validation, event editing/removal, and real-time updates to enhance user experience.
- Designed and executed end-to-end tests with **Cypress**, ensuring reliable workflows and stable deployments.

### MangaReact [GitHub](#)

Sep 2024

*Manga Web Reader*

- Built a dynamic web app using **React**, **JavaScript**, **HTML**, and **CSS** to showcase top mangas, recently added titles, and user-favorited selections for over 100 users.
- Developed a scalable **REST API** to asynchronously fetch manga content, leveraging **JSON** for data exchange and **localStorage** for session persistence.
- Deployed the application on **AWS EC2** and load tested with **Artillery** to handle **1000 requests/sec**.