

Nicholas Wong

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EDUCATION

University of California Riverside

September 2021 - June 2025

B.S. in Computer Science with Business Applications

Riverside, CA

Relevant Coursework: Data Structures and Algorithms, Discrete Math, Software Construction, Logic and Circuit Design, Probability and Statistics, Data Analysis Methods, Technical Communications, Decision Analysis and Management Science, Operating Systems, Big-Data Management, Artificial Intelligence

SKILLS

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|------------------------------|--|
| Programming Languages | C/C++, Vue.js, Python, JavaScript, HTML, CSS, Bash, Git, Node.js, AWS, Java, SQL |
| Frameworks | React, Flask, FastAPI, Vue.js, Qt, Object-Oriented Programming |
| Software Tools | Excel, Git/GitHub, Postman, Jupyter Notebook, LaTeX, macOS, Qt, Asana(Workflow Specialist Certified) |

PROJECTS

MangaReact [Link](#)

- Developed a responsive manga reader application with **HTML**, **CSS**, **JavaScript**, **React**, and **Material UI**, allowing users to read manga, browse top titles, discover recent additions, and save favorites.
- Built a custom **REST API** for seamless, asynchronous content retrieval, including manga chapters, pages, and cover images, with **JSON** for data handling and **localStorage** for session management.
- Deployed the application on **Amazon Web Services (AWS) EC2**, implementing security groups, load balancing, and auto-scaling to optimize performance and efficiently manage user traffic.

Trip Creator [Link](#)

- Collaborated in a small team to develop a full-stack itinerary planning web application using **React** and **TailwindCSS**, enabling users to create trips, schedule events, and manage budgets.
- Built and maintained key frontend features such as event removal and error handling using **TypeScript**, ensuring a smooth and responsive user experience.
- Designed and implemented end-to-end regression tests with **Cypress**, validating core user flows and maintaining application stability.

Skytrack [Link](#)

- A C++ desktop application with **Qt** framework to provide real-time weather data, productivity tools (Pomodoro timer, to-do list, quote generator), and personalized features based on user location and conditions.
- Integrated a **weather API** for live forecasts, clothing suggestions, and activity recommendations, enhancing user engagement and interactivity.
- Includes login authentication, a customizable calendar, theme music, and temperature conversion, creating a comprehensive and user-centric experience

Chrome Extension Theme [Link](#)

- Customized a Chrome extension theme using **HTML** and **CSS** to integrate date and time widgets.
- Implemented JavaScript to display weather information through the **OpenWeatherMap API**.