Kyle Leung

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EDUCATION

M.S. Computer Science   Expected Dec 2025

University of Colorado Boulder, Boulder, CO

B.A. in Geography: Data Science   June 2023

University of Washington, Seattle, WA   GPA: 3.88/4.0

TECHNICAL SKILLS

Programming Languages | *JavaScript ES6, TypeScript, Python, Java, R, HTML, CSS, SQL, Bash, Rust, Markdown*

Frameworks | *React.js, Next.js, Tailwind, Svelte, Express, Django, Tauri, FastAPI, Three.js, SvelteKit, Vue.js, Spring Boot*

Tools | *Git, MongoDB, Supabase, QGIS, SQLite, Microsoft Azure, NodeJS, Vite, PostgreSQL, Linux*

PROGRAMMING PROJECTS

3D Gundam Simulation Game | *TypeScript, SvelteKit, Tailwind, Three.js, Vite*   October 2023

- Designed and constructed an interactive 3D web application game using Three.js to showcase and manipulate 3D models in a browser environment. Player controls a Gundam using the keyboard and mouse to battle against enemies in real time.
- Synthesized an interactive UI/UX for web pages and game-play, utilizing the animation capabilities of CSS and Three.js.

Personal Chatbot | *FastAPI, Python, Next.js, React, MongoDB*   August 2023

- Constructed a full-stack chatbot web application that answers questions about myself and learns to answer more questions as the user continues chatting with it.
- Facilitated effortless data retrieval in the front-end by integrating the MongoDB database using pymongo within FastAPI routes allowing for read and write operations.

Package Tracker | *Next.js, React, Typescript, Tailwind, Mapbox, Firebase, Auth0*   February 2023

- Collaborated in a group of three to build a full-stack web application that won first place overall in the TransportHacks hackathon hosted by Major League Hacking. The web app provides real-time visualization of package locations, status updates, a review system for mail carriers, and user authentication.
- Implemented the user authentication using Auth0 as well as maps of current package location using Mapbox.
- Assisted with front-end design using Next.js and Tailwind.

Web Development Evaluator | *NextJS, React, Type Script, TailwindCSS, Chart.js, Python*   January 2023

- Collaborated with a partner to build a web application that visualizes sentiment and statistics data for over 90 different web development technologies. Gathered and analyzed data sets consisting of over 48,000 tweets.
- Streamlined data visualization of data in the form of charts and graphs using Chart.js.

PokeMart E-commerce | *ReactJS, Express, MongoDB, Node.js, TypeScript, Stripe*   December 2022

- Translated the PokeMart store from the Pokemon games into a full-stack e-commerce web application. The site sells pokeballs and potions from the game.
- Designed and built the backend to connect with the database in order to modify item stock and user login data.
- Implemented the UI/UX in the frontend which includes a cart system, checkout system using stripe, and a login function.

WORK EXPERIENCE

Web Developer | *The Guide Network*   January 2024 - Current

- Developed and maintained multiple iterations of an analytics page for clients to use and view using Next.js, ChakraUI, Chart.js, JavaScript.
- Optimized website speed by reducing load times and increased user friendliness by adding responsiveness to website components.

Data Entry Intern | *Global Key Advisors*   June 2022 - Sept 2022

- Evaluated 100+ startups by scoring based on business plan, product/market fit, financial performance, and sustainability.
- Refined and analyzed datasets with 200+ rows in order to determine trading/investment strategies.