

Kyle Leung

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WORK EXPERIENCE

Web Developer | *The Guide Network*

October 2023 – Present

- Built and updated a client-facing analytics page using **Next.js**, **React**, **Chakra UI**, **Chart.js** to display data interactively and improve usability.
- Updated meta tags and Open Graph settings to enhance **SEO** and social media link previews.
- Created backend **Django** API routes that allow clients to log and track their activity through the platform.
- Contributed to the design and structure of the website's Help page to improve access to support content.

EDUCATION

M.S. Computer Science

Expected June 2026

University of Colorado Boulder, Boulder, CO

B.A. in Geography: Data Science

June 2023

University of Washington, Seattle, WA

GPA: 3.88/4.0

PROGRAMMING PROJECTS

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**.

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 RESTful API routes allowing for read and write operations.

Replayed | *TypeScript, SvelteKit, Tailwind, Chart.js, Supabase, SQL*

February 2023

- Coordinated with a team of three to build a full-stack web application game that quizzes users based on videos from popular video games with multiple game modes. The app includes user interactivity through a comment section and video upload function.
- Designed and implemented the **UI/UX** for the traditional game mode and the charts.
- Integrated the REST api backend to append and update the database.

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 a REST backend API 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.

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 (NPM), Vite, PostgreSQL, Linux, Junit, Jest, Redux*