

Kyle Leung

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EDUCATION

B.A in Geography: Data Science

June 2023

University of Washington, Seattle, WA

GPA: 3.88/4.0

Courses: Web Programming, Machine Learning, Database Systems, Web GIS

TECHNICAL SKILLS

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

Frameworks | *React.js, Next.js, Tailwind, Svelte, Express, Django, Tauri, FastAPI, Three.js*

Tools | *Git, MongoDB, Supabase, QGIS, SQLite, Azure, JSON, NodeJS, Vite*

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.

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 | *Next.js, React, TypeScript, Tailwind, 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 | *React, Express, MongoDB, and Node.js*

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

Data Entry Intern (Full-time) | *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.

Deli Clerk (Part-time) | *Uwajimaya*

July 2019 - Sept 2019

- Managed inventory, responsible for daily close of business activities including account management, facility management, and supported ensuring physical security of the deli.
- Managed customer relationships and orders with suppliers.