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EDUCATION

University of Washington   December 2022
B.A in Geography: Data Science   Seattle, Washington

SKILLS

Languages: HTML, CSS, JavaScript, TypeScript, Python, R, SQL, Rust, Bash, Java

Frameworks: NodeJS, Markdown, Bootstrap, Sass, Tailwind, React.js, Redux, Svelte, Vue.js, Next.js, Nuxt.js, Vite, Express, Playwright, Cypress, Django (DRF), Flask, Tauri

Tools: Git, Linux, Postgres, MongoDB, Firebase, Supabase, Flask, ArcGIS, QGIS, Docker

PROJECTS

wesngu28.com | Astro, SolidJS, Tailwind   Present
- Designed and implemented my personal portfolio made in Astro, a hub for myself and my projects.
- Utilized testing tools like Lighthouse and the browser to ensure page loading performance and responsive design.

Package Tracker | Next.js, React, Firebase, Tailwind   February 2023
- Led a group of three in making a full-stack web application for the TransportHacks hackathon hosted by Major League Hacking, winning best overall hack.
- Utilized Next.js and Tailwind to develop and implement the user interface components like the landing page, user page, and shipping label search result page with emphasis on UI/UX.
- Architected the backend using Firebase to provision a secure Firestore database and utilized Cloud Functions to schedule updates via cronjob on backend resources.

Web Dev Evaluator | Next.js, React, Rust, Python, MongoDB   January 2023
- Collaborated with a partner to develop a full-stack web application to evaluate and visualize Twitter sentiment regarding popular web development technologies, focusing on the backend portion.
- Learned and implemented a Rust backend using the Axum framework to connect to our MongoDB database
- Leveraged Python and the snscrape and huggingface libraries to pull tweets for various technologies and perform sentiment analysis on them, creating a dataset of 48,000 tweets.

Septim Shop | TypeScript, React, Next.js, Redux, Prisma, Tailwind, Stripe   Present
- Developed an ecommerce platform emulating the website of the Mede Empire from the Elder Scrolls selling house tours for homes across Cyrodiil and Skyrim.
- Designed and finished a cart using Redux Toolkit, and used the cart to integrate mock payment providers in Stripe to complete the payment and development flow.
- Implemented a Postgres database to store website data full of houses, user orders and items, and accounts and interfaced with it through Prisma.

RhodesAPI | TypeScript, Express, Fastify, Node.js, SvelteKit   Spring 2022
- Devised and built a RESTFUL API with Node and ES6 for the tower defense game Arknights with Express.js, utilizing a MongoDB database constructed from web scraped data.
- Researched and implemented a new version written in Fastify, to improve performance over Express.js and ensure modern features and updates.
- Deployed a documentation website made with SvelteKit to allow visualization of APIs responses and improve SEO.

WORK EXPERIENCE

International Wood Products, Clackamas, OR | IT Intern   July 2022 – September 2022
- Worked with a small team in preparation of server, networking and technology equipment for corporate use.
- Supported Microsoft 365 Enterprise and ERP systems, email servers, and operations for users across states.

Amazon Fresh, Bellevue, WA | Overnight Associate   May 2021 – July 2022

Target, Renton, WA | Fulfillment Expert   October 2020 – January 2021

Newport Hills Swim and Tennis Club, Bellevue, WA | Lifeguard   March 2018 - September 2020