

## EDUCATION

### University of Washington

B.A in Geography: Data Science

December 2022

Seattle, Washington

## SKILLS

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

**Frameworks:** NodeJS, Markdown, Bootstrap, SCSS (Sass), Tailwind CSS, React.js, Redux, Svelte, Vue.js, Pinia, NextJS, Nuxt.js, Vite, Express, Playwright, Cypress, FastAPI, Django (DRF), Flask, Tauri,

**Tools:** Git, GitHub, Linux, WordPress, ArcGIS, QGIS, Postgres, MongoDB, Firebase, Supabase, Flask, Docker, JSON

## 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.

### Sideroca | Next.js, React, Tailwind, FastAPI, PostgreSQL, Redis, Docker

August 2023

- Created a full-stack application that allows users to query data from the NationStates trading card game.
- Harnessed PostgreSQL to store data on over 500,000 cards, and expose the data for consumption for the Next.js frontend and other users through an API developed with FastAPI.
- Simplified deployment and build process by using Docker to containerize the project, and continuous integration to rebuild and push changes to a Hetzner VPS with Github Actions.

### Game Hunter | TypeScript, React, Next, Cypress

Winter 2022

- Developed a web application that allows users to search for and learn about their favorite games.
- Built with Next.js, the application makes requests to Steam, Twitch, and isthereanydeal to gather and clean data about the game and display to the user updated information.
- Utilized Cypress to ensure that the application functions correctly and that the data displayed to the user is accurate, combining unit and end-to-end testing.

### 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 with Firestore and Cloud Functions to schedule updates via cronjob.

### RhodesAPI | TypeScript, Express, Fastify, Node.js, SvelteKit

Spring 2022

- Devised and built a RESTFUL API with Node and ES6 JS for the tower defense game Arknights with Express.js, utilizing a MongoDB database constructed from web scraped data.
- Researched and implemented a version written in Fastify, to improve performance and reliability.
- Deployed a documentation website made with SvelteKit to allow visualization of APIs responses and improve SEO.

## WORK EXPERIENCE

### International Wood Products, Clackamas, OR | IT Specialist

May 2023 - Present

- Triage, evaluate, and resolve tickets through osTicket for technical issues from around the company.
- Optimize and write Powershell, JavaScript, and Python scripts to automate data, Microsoft 365, and Azure Active Directory tasks.
- Tasked with collaborating with the marketing team to maintain the company WordPress site, managing plugins and content.

### 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.