# WESLEY NGUYEN

 wesngu28.com   wesngu028@gmail.com   /in/wesngu28   wesngu28

## EDUCATION

**University of Washington**                                        Sep. 2019 – December 2022
*Bachelors in Geography: Data Science*                                    *Seattle, Washington*
*Courses:* GIS Database and Programming, GIS Data Management, Digital Geographies, Advanced Digital Geographies, Geographic Information and Spatial Analysis, Geographic Information Systems Workshop, Elements of Statistical Methods, Data Science Foundations, Introduction to Machine Learning, Web Programming, Data Structures and Algorithms

**Hazen High School**                                                Sep. 2015 – June 2019
*Running Start*                                                 *Renton/Bellevue, Washington*
*Courses:* Computer Programming I and II at Bellevue College

## PROJECTS

**Web Dev Evaluator** | *Kotlin, Spring, Python*                            October 2022
- Currently working with someone on a personal project where we do word analysis and nlp and create visualizations for various web development technologies.
- I am primarily focusing on the backend, which is a Kotlin Spring Boot API, and also did the tweet analysis and data visualizations with Python.

**Qatar Player Map** | *React, Next.js, Tailwind, Mapbox, ArcGIS, R, Python*    December 2022
- Web map built with Mapbox to visualize the origins of all players participating in the 2022 World Cup.
- Includes charts made with Chart.js and multiple choropleth maps using shapefiles.

**Rustboro** | *Svelte, SvelteKit, Prisma, CockroachDB, SQL*                November 2022
- Web app that displays information about a searched Pokemon.
- Includes a game where you are given a stat and two Pokemon, and you must choose which one has the higher stat.

**wesngu28.com** | *Astro, React, Mapbox, Tailwind*                        September 2022
- Personal website to made in Astro.
- Features custom scrollytelling and a detailed about me. Hosted on custom domain.

**RhodesAPI and Closure** | *Typescript, Express, NodeJS, Docker*              June 2022
- Created a RESTFUL API for the mobile gacha tower defense game Arknights that supports GET, POST, and PUT endpoints. Uses a web scraper which stores the data in a MongoDB collection hosted on Atlas, cached with Redis.
- Created a Discord bot to use this api using Typescript and Discord.js, hosted in a Docker container.
- Wrote a suite of scripts to scrape YouTube channels for their live status, independent of the official YouTube API.

**Searchify** | *React, Next.js, Flask*                                    March 2022
- Web app to visualize user Spotify data, albums, playlists, tracks, and artists through tables and graphics.
- Connects to a Flask API backend which uses Pandas and various libraries to manipulate data from Spotipy, Spotify's python library for their API.

## SKILLS

**Languages**: HTML, CSS, Javascript, Typescript, Python, R, SQL, Bash, Java, Kotlin, LaTeX
**Tools**: Windows, Linux, VS Code, Docker, Jupyter, Git
**Technologies**: SQL, NoSQL (Mongo, Redis), Bootstrap, Sass, Tailwind, React, Svelte, Vue, Next.js, Nuxt.js, Vite, Express, NodeJS, Flask, Markdown, ArcGIS, QGIS, Spring Boot

## WORK EXPERIENCE

**International Wood Products**                                July 2022 – September 2022
*Information Technology Intern*                                        *Clackamas, Oregon*
- Aided in the preparation of company server, networking and technology equipment for company and employee use.
- Supported Microsoft 365 Enterprise and ERP systems, email servers, and operations for users across states.

**Amazon Fresh**                                              May 2021 – July 2022
*Overnight Associate*                                          *Bellevue, Washington*
**Target Corporation**                                      October 2020 – January 2021
*Fulfillment Expert*                                            *Renton, Washington*
**Newport Hills Swim and Tennis Club**                      March 2018 – November 2020
*Lifeguard*                          Updated - January 4th 2022          *Bellevue, Washington*