

# WESLEY NGUYEN

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## EDUCATION

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### University of Washington

Sep. 2019 – December 2022

*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

### Bellevue College

Sep. 2017 – June 2019

*Running Start*

*Bellevue, Washington*

*Courses:* Computer Programming I and II

## PROJECTS

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### wesngu28.com | *React, Next.js, Typescript, Mapbox, Tailwind*

September 2022 - October 2022

- Personal website to showcase my projects and practice more React.
- Features custom scrollytelling and a detailed about me. Hosted on custom domain.

### Simple Champion Viewer | *Vue, Nuxt.js, Typescript*

October 2022

- Website made with Nuxt.js that shows various information about a requested League of Legends character.

### Observatory | *React, Next.js, Typescript*

October 2022

- Web app that is the interface for a CLI I made to read python and javascript dependency files.
- Displays a table of repositories not yet starred and allows the user to view information and star them.

### Searchify | *React, Next.js, Flask*

March 2022 - August 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 Spotify, Spotify's python library for their API.

### Mapping Terrorism | *Mapbox, JavaScript, Sass*

April 2022 - June 2022

- Web map built with the Mapbox JS library to visualize the data within the University of Maryland's Global Terrorism Dashboard.
- Implemented much of the html and css, as well as the map label and symbology for each individual point.

### 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.

## SKILLS

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**Languages:** HTML, CSS, Javascript, Typescript, Python, R, SQL, Bash, Java, LaTeX

**Tools:** Windows, Linux (Debian, openSuse Tumbleweed), VS Code, Docker, Jest, Jupyter, Git

**Technologies:** PostgreSQL, MongoDB, Redis, Bootstrap, Sass, Tailwind, React, Svelte, Vue, Next.js, Nuxt.js, Vite, Express, NodeJS, Flask, Markdown, ArcGIS, QGIS

## WORK EXPERIENCE

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### 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*

*Bellevue, Washington*