

WESLEY NGUYEN

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EDUCATION

University of Washington

Sep. 2019 – June 2023

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, Introduction to Machine Learning, Web Programming

Bellevue College

Sep. 2017 – June 2019

Running Start

Bellevue, Washington

Courses: Computer Programming I and II

WORK EXPERIENCE

International Wood Products

July 2022 – September 2022

Information Technology Intern

Clackamas, Oregon

Amazon Fresh

May 2021 – July 2022

Overnight Associate

Bellevue, Washington

- Worked closely with management to fix issues in tickets regarding proper implementation of Amazon's Just Walk Out technology at their flagship store.

Target Corporation

October 2020 – January 2021

Fulfillment Expert

Renton, Washington

Newport Hills Swim and Tennis Club

March 2018 – November 2020

Lifeguard

Bellevue, Washington

PROJECTS

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, sass stylesheet, and header page loader, as well as the map label and symbology for each individual point.
- Hosted on Github Pages using HTML, Sass, and Javascript.

United States Vacant Housing Analysis | *Jupyter, Python, ArcGIS, SPSS*

April 2022 - June 2022

- Worked with a team in partnership with the United States Department of Urban Housing and Development to update a typology on vacant housing in the United States based on an earlier report by Raven Molloy in 2016.
- Processed data from the USPS, American Community Survey, Census Bureau, and NHGIS using Pandas.
- Presented report and ArcGIS Story Map at the Geography Undergraduate Research Symposium.

RhodesAPI | *Typescript, Express, NodeJS*

June 2022

- Created a RESTFUL API deployed on Heroku for the mobile gacha tower defense game Arknights that supports GET, POST, and PUT endpoints.
- Made a web scraper using Cheerio and Playwright which stores the data in a MongoDB collection hosted on Atlas, cached with Redis.

Closure | *Typescript, NodeJS, Docker*

June 2022

- Created a Discord bot using Typescript and the Discord.js framework, hosted in a Docker container.
- Wrote a suite of scripts to scrape YouTube channels for their live status, independent of the official YouTube API.

TECHNICAL SKILLS

Languages: HTML, CSS, Javascript, Typescript, Python, R, SQL, Bash

Developer Tools: Windows, Linux Mint, VS Code, Eclipse, Docker, Jest, Jupyter, Git

Technologies: PostgreSQL, MongoDB, Redis, Bootstrap, Sass, React, Next.js, Vite, Express, NodeJS, Flask, Markdown, ArcGIS, QGIS