

# WESLEY NGUYEN

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## EDUCATION

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**University of Washington**

B.A in Geography: Data Science

December 2022

Seattle, Washington

## SKILLS

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

**Frameworks:** Mapbox, Leaflet, Pandas, Matplotlib, NodeJS, Markdown, Bootstrap, React, Express, Tidyverse, ggplot2

**Tools:** ArcGIS, QGIS, Git, Postgres

## PROJECTS

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**wesngu28.com** | Astro, SolidJS, Tailwind

Present

- Designed and implemented my personal portfolio made in Astro, a hub for myself and my projects.
- Researched and created various versions of the portfolio using Next.js and React, before transitioning to Astro and SolidJS to reduce page load.

**Web Dev Evaluator** | Next.js, React, Rust, Python, MongoDB

Present

- 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 snsrape and huggingface libraries to pull tweets for various technologies and perform sentiment analysis on them.

**Qatar Player Map** | React, Next.js, Tailwind, Mapbox, ArcGIS, R, Python

Winter 2022

- Devised user interface to display information and statistics of the 2022 World Cup using Next.js through maps created with Mapbox.
- Researched and collected data of World Cup players to create data visualizations with Chart.js and R.

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

Spring 2022

- Cooperated in team of four to built a web map using the Mapbox JS library to visualize the data within the University of Maryland's Global Terrorism Dashboard.
- Designed and implemented much of the HTML, css stylesheet, and header, as well as the map label and symbology for each individual point.

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

Spring 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.
- Researched, collected, and 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.

## WORK EXPERIENCE

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**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