

Nguyen (Nathan) Dang

Seattle, Washington | dangn1310@gmail.com | 5129718247 |

<https://www.linkedin.com/in/nathan-dang-4027b6210/>

Coding

Python, Java, R, SQL

UI design

Low-fidelity and High-Fidelity Wireframes on Figma

Tutoring

Online Tutoring

Technologies: Python (2+ year), Java (1+ year), Git, R, G Suite

RELEVANT EXPERIENCE

UW FIG (First Year Interest Group) Leader | University of Washington | Seattle, Washington

March 2024 – October 2024

- Mentored a group of 25 first-year students, providing academic and social guidance to support their transition to university life.
- Organized and led 10+ classes, focusing on community engagement and improving peer interaction through icebreakers and collaborative activities.
- Held one-on-one meetings, addressing academic and personal challenges.
- Coordinated and promoted 5 campus-wide events.

Website Developer

January 2024 – October 2024

Wordplaypen at the University of Washington

- Coded using TypeScript, HTML, CSS, JavaScript, Svelte/SvelteKit, and Git.
- Fixed the scoring system and game accuracy of the basketball game on Wordplay.dev.
- Collaborated with designers and other developers to bring website concepts to life.
- Troubleshoot and resolved issues related to website performance, cross-browser compatibility, and user experience.

Michelin-star vs. Demographics Project

October 2023 – December 2023

INFO 201 class: Foundational Skills in Data Science at the University of Washington

- Coded using R and GitHub for this project.
- Analyzed data from over 6,800 Michelin restaurants (stars or bib gourmand) across 100+ countries around the world
- Used world's demographics data to see how different demographic data affected a country's total number of Michelin stars across its restaurants
- Worked in a group project of 4 people.

Lead Student Researcher on GHG Emissions Project

February 2022 – May 2023

Concord Academy's Big Data Club

- Coded using R for this project.
- Collaborated with the environmental justice and sustainability coordinator at Concord Academy, who worked with the U.S. Environmental Protection Agency (EPA) to get data on energy usage at the town of Concord.
- Led a group of four students to collect raw data from gas, electricity, and water meters at 6 Concord dormitories.
- Analyzed EPA-approved data sets from 2018-21 to complete a baseline assessment of Concord's Green House Gas (GHG) emission.

Data Manager for the Momentum Investing Strategy Project December 2023 – March 2024
Applied Analytics Club at the University of Washington (AACUW) Investing Team

- Coded using Python (Google Collaboratory)
- Extracted stock prices and beta values for the S&P 500 stocks using the yfinance library on Python.
- Calculated the returns for each stock by taking the difference between prices on 1st February 2023 and 1st February 2024.
- Sorted the stocks using Python based on their returns to find the 30 best and worst performing stocks from 2023 – 2024.

EDUCATION

Informatics | University of Washington

June 2027

Data Science

INFO 201: Foundational Skills for Data Science

CSE 122: Introduction to Computer Programming II

CSE 123: Introduction to Computer Programming III

INFO 330: Core Methods in Data Science

PROJECTS

NLP in Finance project

June 2022 - July 2022

Inspirit AI Summer Camp

- Coded using Python for this project on Google Collaboratory.
- Looked at how news reports on the stock market reflect actual changes in the market.
- Worked in a team of 5.

Chess Engine project

February 2023 – April 2023

Personal Project

- Coded using Python
- Programmed the chessboard from scratch (imported photos of pieces and the board) and used some basic machine learning algorithms so the computer can make chess moves.

ADDITIONAL EXPERIENCE

Honors & Awards

- **CCIR Interdisciplinary Award** | Cambridge Centre for International Research June 2022
- **MIT Teen Inventor(s) Award** | MIT App Inventor September 2022
- **Product with highest potential for social good** | BBN Hacks January 2021

Other Experience

- **Online Tutor** | Engoo June 2023 – February 2024
- **Ambassador** | Inspirit AI Sep 2021 - May 2022