

Matthew Dolin

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Portfolio: albeto4000.github.io/

EDUCATION

Lehigh University, Bethlehem, Pennsylvania

Graduation: May 2024

Bachelor of Science in Computer Science

GPA: 3.45

Minors: Data Science and Cognitive Science

Relevant Courses: Artificial Intelligence, Data Mining, Machine Learning, Statistical Computing with Applications, Algorithm Analysis & Design, Web Systems Programming, Linear Methods, Probability & Statistics

TECHNICAL SKILLS

Expert: **Python** (NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn), **R**, **SQL**, JavaScript/jQuery, Analytical Thinking, Data Analysis

Proficient: Power BI, Excel, Machine Learning, Git, Web Scraping, Agile Software Development, Hypothesis Testing

Familiar: Java, MATLAB, C, C++

WORK EXPERIENCE

Head Teaching Assistant

Aug 2023 – Dec 2023

Lehigh University, Bethlehem, PA

- Supervised weekly lab section to teach Python programming and robotics concepts
- Presented code demonstrations and lectures to assist with assignments

Data Annotator

June 2023 – Present

Data Annotation Tech, Remote

- Provided detailed, informed critiques of artificial intelligence chatbots to ensure safe and accurate output
- Properly rated outputs including code, creative writing, and factual information

Teaching Assistant

Aug 2021 – May 2023

Lehigh University, Bethlehem, PA

- Assisted in teaching an introductory Python programming course to 250 students a semester
- Maintained accurate records of grades for 20 assignments each week using an online reporting system

Cashier

April 2018 – Aug 2021

Giant Food Stores, Plymouth Meeting, PA

June 2023 – Aug 2023

- Provided fast, courteous customer service to over 200 customers per day as a cashier and self-checkout assistant
- Managed the accurate collection and delivery of 60-100 Giant Direct grocery delivery orders daily

PROJECT EXPERIENCE

Equitable Energy Capstone Project

Jan 2022 – Dec 2023

- Collected and analyzed data related to Energy Justice communities to understand why consumer energy rate choices
- Developed web scrapers with Python to contribute data daily to a SQL database of historic electricity rates
- Applied the Agile Methodology for project management

Olympics Data Analysis

- Used the Python Plotly library to visualize modern Olympic data, including a treemap of medal counts by country by event
- Built a dashboard to display country medal counts over time in each Olympic event
- Implemented a web scraping tool to collect data on host countries/cities

CAMPUS INVOLVEMENT

A Whole Step Up (A Capella)

Sep 2020 – May 2024

- Music Director 2022-2024
- Responsible for arranging music, organizing and running 25 rehearsals each semester

Marching Band

Sep 2020 – Dec 2023

Clarinet Choir

Sep 2021 – May 2024

University Choir

Sep 2022 – Dec 2023

Upsilon Pi Epsilon Honors Society

Apr 2022 – May 2024