

Matthew Dolin

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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.

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
- Held weekly office hours to explain programming concepts

Front End Associate/Giant Direct Facilitator

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 60-100 grocery delivery orders daily

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

PROJECT EXPERIENCE

Equitable Energy Capstone Project

Jan 2022 – Dec 2023

- Performed research on energy justice communities to understand why consumers choose electricity offers not in their best interest
- Applied the Agile Methodology for project management
- Developed web scrapers with Python to gather daily electric rate offers and 17 years of historical data

TECHNICAL SKILLS

Python (NumPy, Pandas, Scikit-learn, Tensorflow)

R, SQL, Java, JavaScript, MATLAB, C/C++

Supervised Learning: Decision Trees, GLM Models, SVMs, Naive Bayes, Neural Networks

Unsupervised Learning: K-Means Clustering, Association Rule Mining

Hypothesis Testing, Data Modeling, Monte Carlo Simulation, Web Scraping

Power BI

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:

- | | | |
|---------------------------------|--------------------------------|---|
| ■ Algorithm Analysis and Design | ▪ Introduction to Data Science | ■ Systems Software |
| ■ Linear Algebra | ▪ Machine Learning | ■ Operating Systems |
| ■ Probability and Statistics | ▪ Data Mining | ■ Statistical Computing with Applications |
| ■ Web Systems Programming | ▪ Artificial Intelligence | |

CAMPUS INVOLVEMENT

A Whole Step Up (Acapella)

Sep 2020 – May 2024

- Music Director 2022-2024
- Responsible for arranging music, organizing and running 20 rehearsals a semester

Marching Band

Aug 2020 – Dec 2023

Clarinet Choir

Sep 2020 – May 2024

University Choir

Sep 2022 – Dec 2023

Upsilon Pi Epsilon

Apr 2022 – May 2024