

Aaron Munford

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EDUCATION

New York University

New York, NY

B.A. in Computer and Data Science - Cumulative GPA: 3.82

September 2023 - May 2026

- **Activities:** Varsity Wrestling, Data Science Club, Actuarial Society, NYU AI School, Quantitative Finance Society
- **Coursework:** Introduction to Programming and Data Science, Intro to Computer Science, Financial Technology, Data Science for Everyone, Data Science Principles, Data Structures & Algorithms, Causal Inference

Long Island University

Brookville, NY

B.S. in Data Analytics

September 2022 - May 2023

- **Activities/Awards:** D1 Wrestling recruit, D1 Rowing Athlete, President's Honors Scholarship recipient, Dean's List
- **Coursework:** Data Analytics using Excel, Data Visualization, Data Analytics with R and Python, Java Object Oriented Programming

EXPERIENCE

Data Science Intern

New York, NY

Neue Urban

October 2024 - Present

- Gather and analyze data related to permit issues and tax liens to identify potential investment opportunities
- Work toward building a machine learning model for property distress prediction using logistic regression and feature engineering
- Enhance Excel models to streamline property acquisition and financial forecasting processes

Information Technology Intern

Princeton, NJ

Institute for Advanced Study

March 2024 - August 2024

- Provided desktop support and technical problem-solving to 150+ scholars and staff, resolving IT issues related to devices, software, and network connectivity
- Troubleshoot & resolved problems related to mobile devices, networked printers, VPN clients, & productivity software
- Managed IT ticketing system and hardware inventory, streamlining issue tracking and resource allocation

Community Volunteer

New York, NY

Give Where You Live Foundation

February 2024 - April 2024

- Volunteered at the Andrew Heiskell Braille and Talking Book Library, the largest braille library in the country, organizing and packaging over 100 braille books to enhance accessibility for visually impaired individuals
- Assisted in packaging and distributing grocery orders and hot meals to 200+ individuals at the New York Common Pantry, supporting homeless and disadvantaged communities

PROJECTS

Spotify Music Analysis | (Python, pandas, NumPy, Matplotlib, Scikit-Learn, Seaborn)

July 2024

- Analyzed a dataset of 52k Spotify songs to investigate the factors contributing to music popularity and genre trends
- Developed statistical models, including linear regression and logistic regression, to predict song popularity and classify audio features
- Applied Principal Component Analysis (PCA) to reduce dimensionality and improve model performance
- Utilized Python libraries (pandas, NumPy, Matplotlib, Scikit-Learn) to clean data, visualize trends, and implement machine learning models

Stock Price Predictor | (Python, pandas, NumPy, Scikit-Learn)

April 2023

- Conducted data analysis and financial modeling for NFLX stock prices using predictive analytics models such as Random Forests and Decision Trees
- Built automated tools to process and analyze large datasets, improving efficiency in data transformation and extraction of insights
- Utilized Python libraries for data analysis and implemented machine learning algorithms (Decision Trees, Random Forests, Logistic Regression, Neural Networks)

TECHNICAL SKILLS

Languages: Python, C, C++, Java, R, SQL

Data Analysis and Visualization: R, Pandas, GeoPandas, Matplotlib, Tableau, Power BI, Microsoft Excel

AI & ML: NumPy, Scikit-Learn, PyTorch, Tensorflow

Hobbies: Lifting, Film Photography, Rubik's Cubes, Thrifting, Solo Travel