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, AI School, Quantitative Finance Society, J&J Hackathon Finalist
- **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*
- Gathering and analyzing data related to permit issues and tax liens to identify potential investment opportunities
- Developing a machine learning model for property distress prediction using logistic regression and feature engineering, incorporating property characteristics and other relevant factors to improve predictive accuracy
- Enhancing Excel models to streamline property acquisition and financial forecasting processes

Artificial Intelligence Student Researcher　　　　　　　　　　　　　　　　**New York, NY**
New York University　　　　　　　　　　　　　　　　　　　　　　　*October 2024 - Present*
- Working under Professor and Emmy-award winning investigative journalist Hilke Schellmann to develop a fairer, AI-powered sentiment analysis tool for journalism, focusing on reducing bias in tech and fintech reporting
- Conducting research on current sentiment analysis methodologies and AI tools, and integrating findings into a large language model (LLM) to enhance accuracy and inclusivity
- Collaborating with a small team to gather feedback, refine tool functionalities, and document project progress

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
- Troubleshot & 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

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