Sean Mullins

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EDUCATION

- MS in Data Science, Fordham University *(Expected) Aug. 2023 – July 2024*
- BS in Finance, Boston College *Sept. 2016 – May 2020*

PROFESSIONAL EXPERIENCE

OpenExchange Inc. *Aug. 2020 – Sept. 2022*
Financial Analyst: Data Strategy
- Managed a 65M-row SQL Server database, ensuring optimal performance.
- Boosted Salesforce analytics by integrating BI tools, reducing report generation time by 50%.
- Developed and maintained SQL scripts for data transformation and extraction.

Greystone Monticello, LLC
Data Analytics *Oct. 2022 – May 2023*
- Achieved $25K in annual savings by developing a Python-based loan document scraper for automated data input into a database.
- Designed BI dashboards for visualizing key loan portfolio metrics.
- Asset-managed a $100M healthcare and commercial loan portfolio.

PERSONAL PROJECTS

Reverse Momentum - [Website](#)
- Developed and implemented a quantitative trading strategy to test market efficiency and analyze the impact of major events on equity prices.
- Achieved a cumulative return of ~40% in 2023 and outperformed the S&P500 in 62% of the quarters since 2010.
- Leveraged the Robinhood API for automated trade execution, optimizing the strategy's implementation.

SongSpy - [Website](#)
- A Webapp that uses Machine Learning to identify artificially generated music – 1,000 audio files from YouTube trained using a Sklearn classifier to identify cloned artist's voices with 85% accuracy.
- Developed using Python (Flask) and deployed to PythonAnywhere.
- 1000 site hits on the first day with 100 article views.

LEADERSHIP EXPIERENCE

D1 Men's Varsity Tennis Team, Boston College *Sept. 2016 – May 2020*
- Selected as captain of the Boston College Tennis Team as a Junior and Senior for the 2018-2020 seasons.
- Held a position in the starting line-up each season in the highly competitive ACC conference.

TECHNOLOGIES

Proficient: Python, SQL, HTML, CSS, Seaborn, Matplotlib
Familiar: Flask, Sci-Kit Learn, Scipy
Basic: Linux, AWS