

Sean Mullins

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EDUCATION

- MS in Data Science, Fordham University *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

- Developed and maintained SQL scripts and data pipelines tailored to the ETL framework.
- Boosted Salesforce analytics by integrating BI tools, reducing report generation time by 50%.
- Managed a 65M-row SQL Server database, ensuring optimal performance.

Greystone Monticello, LLC

Data Analytics *Oct. 2022 – May 2023*

- Realized annual savings of \$25,000 by developing a Python-based loan document scraper, enabling automated data entry 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, conducting statistical tests to assess 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 APIs 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 EXPERIENCE

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, Pandas, Matplotlib

Familiar: Bash, Flask, Sci-Kit Learn, Scipy

Basic: AWS, Javascript, C++