

# Ryan P. Hillmer

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## EDUCATION:

### Boston College – Morrissey College of Arts and Sciences

Chestnut Hill, MA

*B.S. in Computer Science with Math Minor*

*Graduation Expected May 2025*

- Cumulative GPA: 3.7/4.0
- Relevant Coursework: Algorithms, Data Management, Deep Learning, Linear Algebra, Probability
- Awards and Honors: Dean's List, First Honors, Endowed Scholar
- Clubs and Societies: Computer Science Society, Arrupe International Excursions, BC Bigs, Intramural Sports

## WORK EXPERIENCE:

### MFS Investment Management

Boston, MA

*Quant Research Associate Intern*

*June 2024 – August 2024*

- Automated data pipeline using FactSet, Python, Excel, and SQL to generate daily Tableau reports for SMA and ETF portfolios, tracking growth, turnover, risk, similarity, and other metrics for over \$8 million in assets
- Utilized Axion API to create Tableau report displaying time series of suggested trades accounting for turnover and risk
- Participated in bi-weekly research meetings to present and discuss weekly model analysis and optimization strategies

### Boston College Computer Science Department

Chestnut Hill, MA

*Teaching Assistant, Data Science Methods & Computer Science I*

*September 2023 – Present*

- Support instruction on data organization, statistical modeling, and machine learning, focusing on ethical data science
- Lead weekly discussion section for 20 students, teaching problem-solving techniques using Python 3 and Pandas
- Evaluate weekly assignments for students, analyzing code readability, functionality, and efficiency
- Host weekly office hours to tutor 50+ students on course concepts

### UBS Financial Services

Rockland, MA

*Winter Private Wealth Management Intern*

*November 2023 – January 2024*

- Participated in weekly development series with wealth management, hedge fund professionals and angel investors
- Researched and presented detailed analysis on telehealth companies, cryptocurrency, and individual stock pitches with a buy/sell recommendation based on company data and financial ratio analysis

### Flipside Crypto

Boston, MA

*Freelance Data Analyst*

*January 2022 – December 2022*

- Designed 40+ dashboards analyzing transaction volume, success rates, and unique user activity in the crypto ecosystem
- Organized blockchain data of tokens, coins, and Non-Fungible Tokens using Snowflake SQL software
- Solved analytical challenges through structured bounty programs using a free, open data platform

## OTHER EXPERIENCE:

### University Chorale of Boston College

Chestnut Hill, MA

*Baritone Singer*

*September 2021 – Present*

- Practice several times a week and perform in local and international concerts throughout the academic year

### Big Brothers Big Sisters of Eastern Massachusetts

Chestnut Hill, MA

*Mentor Volunteer*

*December 2023 – Present*

- Serve as mentor for a child, forming a relationship based on positive communication and trust

### Hale Reservation

Westwood, MA

*Supervisor/Water Safety Instructor*

*Summers 2019, 2020, 2021*

- Supervised five junior lifeguards and wrote weekly performance evaluations
- Taught swim lessons to a diverse population, including swimmers with autism and Boston's underserved youth

## SKILLS AND INTERESTS:

- Programming Languages: Python, SQL (MySQL, Oracle, Microsoft SQL Server), R, Java, C, Verilog, HTML
- Data & Analytical Tools: Tableau, Excel, Pandas, PyTorch, Scikit-learn, NumPy, Matplotlib, Shiny, FactSet
- Interests: Writing, French Horn, Basketball, Soccer, Landscaping, Skiing, Green Bay Packers