

Matt McManus

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EDUCATION

Massachusetts Institute of Technology

Bachelor of Science in Mathematics and Computer Science; Minor in Finance; GPA: 4.5/5.0

Cambridge, MA

Sept. 2019 - May 2023

- **Activities and Societies:** MIT Pokerbots, MIT Squash Team, Phi Kappa Theta Fraternity
- **Relevant Coursework:** 6.009 Fundamentals of Programming, 6.046 Design & Analysis Algorithms, 18.650 Fundamentals of Statistics, 18.600 Probability and Random Variables, 15.438 Fixed Income Securities and Derivatives, 15.401 Managerial Finance

Drexel University (Pennoni Honors College)

Dual-Enrollment, Finance; GPA 4.0/4.0; Courses: International Business

Philadelphia, PA

May 2018 - May 2019

WORK EXPERIENCE

Performance Trust Capital Partners

Trading Desk Intern

Chicago, IL

Jun. 2021 – Aug. 2021

- **Projects:** Implementing a Trade Away and Mortgage Holders Report, Automated a CMO New-Issue offer Summary
- **Shadowing:** New-Issue CMO Desk
- **Skills:** Mortgage-Backed Securities, Valuation of Mortgages, Cash Flow Mathematics for Agency MBS, Python (Pandas)

Neomantra

Trading Strategy / Software Developer

Greenwich, CT

Mar. 2020 – Feb. 2021

- **Projects:** Built infrastructure to monitor daily stock splits, earning reports and daily fees
Developed a potential trading strategy by analyzing the correlation between daily stock prices and closing cross
Automated an execution fee report based on NYSE, NASDAQ, TRF, ACT, etc.. fees
- **Skills:** GoLang, SQL, IEXCloud API, Model Selection, Machine Learning, Python, U.S. Equities

Hosta Labs

Business Developer / Software Engineer

Cambridge, MA

Jan. 2020

- **Projects:** Built the UI of the IOS App and connected the database of user logins to Hosta's server
Analyzed Hosta Labs Competitors and Presented out Business Strategy to show Investors
- **Skills:** Python, PowerPoint, Excel, PowerPoint, Swift, JavaScript (React Native)

Blockchains For Schools

Sponsorship Coordinator

Cambridge, MA

Oct. 2019 – Mar. 2020

- Acquired sponsorships from Microsoft, Citigroup, Ernst & Young, the Ethereum Foundation, and Trail of Bits

RESEARCH EXPERIENCE

MIT Sloan School of Management

Research Assistant – Renee Gosline

Cambridge, MA

Sept. 2019 - Jan. 2020

- **Project:** Analyzed results of consumer preferences based on the delivery of Financial Advisory Services
- **Skills:** Microsoft Excel

EXTRACURRICULAR EXPERIENCE

MIT Pokerbots

Instructor; Treasurer

Cambridge, MA

Sept. 2020 - Present

- **Instructor:** Directed a coding competition where participants learned machine learning concepts to create a poker bot
- **Treasurer:** Campaigned for over \$60,000 in company sponsorships and manage club expenses

MIT HKN (Eta Kappa Nu)

Tutor

Cambridge, MA

Sept. 2020 - Present

- Tutor students in 6.0001/2 Intro to Computer Science and 6.006 Introduction to Algorithms

MIT Squash Team

Member

Cambridge, MA

Sept. 2019 - Present

- Awarded Most Improved Award during the 2019-2020 Season

AWARDS, SKILLS, & INTERESTS

Awards:

- Euler Award for Academic Excellence in Mathematics
- Top 10 Nationally Ranked Junior Squash Player
- 4 time U.S. Squash Scholar Athlete

Skills: Python | R | GoLang | SQL | Bloomberg | Excel & PowerPoint | Data Analysis | Research

Interests: Basketball | Frisbee | Running | Artificial Intelligence | Automation | Photography | Cryptocurrency