Matt McManus

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EDUCATION

Massachusetts Institute of Technology   **Cambridge, MA**
Bachelor of Science in Mathematics and Computer Science, Minor in Finance   Sept. 2019 – May 2023

- **Activities and Societies:** MIT Pokerbots, MIT Squash Team, Phi Kappa Theta Fraternity
- **Relevant Coursework:** 6.036 Machine Learning, 6.009 Fundamentals of Programming, 6.046 Algorithms, 18.600 Probability and Random Variables, 18.650 Fundamentals of Statistics, 15.438 Fixed Income Securities and Derivatives

Harvard College   **Cambridge, MA**
Cross-Registered Student   Sept. 2021 – May 2023

WORK EXPERIENCE

Performance Trust Capital Partners   **Chicago, IL**
Software Engineering and Trading Intern   Jun. 2021 – Aug. 2021

- Developed a permanent Pyhon application to parse thousands of financial lists from textual data sources and automatically mapped them to Bloomberg's API to identify new-listings of mortgage based obligations
- Identified new trading opportunities by aggregating and cleaning a dataset of over 12,000 mortgages to infer the top 20 security holders as potential clients

Neomantra   **Greenwich, CT**
Software and Trading Strategy Developer   Mar. 2020 – Feb. 2021

- Constructed a potential trading strategy by analyzing the correlation between intraday stock prices and closing cross
- Engineered a script to monitor stock splits, earning reports and daily fees for different U.S. equities
- Built an Automated report tracking the fees from different U.S. Market Exchanges

Hosta Labs   **Cambridge, MA**
Software Engineer and Business Developer   Jan. 2020

- Configured the UI of the Hosta Labs IOS App and connected the database of user logins to Hosta's server
- Researched Hosta Labs competitors and presented a business strategy to investors

Blockchains For Schools   **Cambridge, MA**
Sponsorship Coordinator   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   **Cambridge, MA**
Research Assistant   Sept. 2019 – Jan. 2020

- Analyzed financial advisory consumer preference data and converted them into quantitative measures that were used to better understand consumer psychology

EXTRACURRICULAR EXPERIENCE

MIT Pokerbots   **Cambridge, MA**
Instructor, Treasurer   Sept. 2020 – Present

- Direct a coding competition where participants learned machine learning concepts to create a poker bot
- Campaign for over $70,000 in company sponsorships and manage club expenses

MIT HKN   **Cambridge, MA**
Tutor   Sept. 2019 – Present

- Tutor students in Intro to Computer Science and Introduction to Algorithms classes

MIT Squash Team   **Cambridge, MA**
Member   Sept. 2019 – Present

- Achieved a 2019-2020 National Team Ranking of 16th in the U.S.
- Maintained an Individual National Ranking of Top 10 in the U.S. throughout Junior Career

SKILLS AND INTERESTS

- **Skills**: Python | GoLang | SQL | R | Bloomberg | VBA | Excel & PowerPoint | Data Analysis | Research
- **Interests**: Basketball | Frisbee | Running | Artificial Intelligence | Automation | Photography | Cryptocurrency