Matt McManus

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EDUCATION

Massachusetts Institute of Technology   **Cambridge, MA**
Bachelor of Science in Computer Science and Mathematics; GPA: 4.5   Sept. 2019 – May 2023

- **Activities and Societies:** MIT Pokerbots, MIT Squash Team, Phi Kappa Theta Fraternity, MIT Bitcoin Club
- **Relevant Coursework:** Graduate Machine Learning, Design and Analysis of Algorithms, Fundamentals of Programming, Representation and Inference in AI, Probability and Random Variables, Fundamentals of Statistics

WORK EXPERIENCE

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

- Developed Python application to parse thousands of financial lists from textual data sources
- Automatically mapped application to Bloomberg's API to identify new mortgage-backed securities
- Aggregated and cleaned a dataset of over 12,000 mortgages to identify new trading opportunities

Neomantra   **Greenwich, CT**
Software Engineering Intern   Mar. 2020 – Feb. 2021

- Researched a trading strategy by analyzing the correlation between 10,000 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 by querying fee data across the major U.S. Market Exchanges such as NYSE and NASDAQ

Hosta Labs   **Cambridge, MA**
Software Engineering Intern   Jan. 2020

- Configured the UI of the Hosta Labs iOS app and connected the database of user logins to Hosta's server
- Researched competitors in the automated 3D modeling space and presented a business strategy to investors

Blockchains For Schools   **Cambridge, MA**
Sponsorship Coordinator   Oct. 2019 – Mar. 2020

- Assisted in the organization of the first introductory-level blockchain-focused hackathon open to high school students
- Raised over $40k in sponsorships from industry partners like Microsoft, Citigroup, and The Ethereum Foundation

RESEARCH EXPERIENCE

MIT Sloan School of Management   **Cambridge, MA**
Research Assistant   Sept. 2019 – Jan. 2020

- Analyzed consumer preference data to create quantitative metrics that were used to understand consumer psychology
- Compared consumer sentiment between traditional and automated wealth management solutions

EXTRACURRICULAR EXPERIENCE

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

- Direct a coding competition where participants learn machine learning concepts to create a bot capable of playing poker
- Personally meet with industry partners to campaign for over $70,000 in company sponsorships for competition prizes

Phi Kappa Theta Fraternity   **Cambridge, MA**
Recruitment Chair   Sept. 2019 – Present

- Managed a budget of over $25,000 to create a week-long recruitment period to attract new members
- Coordinated a team of over 50 members to host nearly 30 events across MIT's campus and the greater Boston area

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

- Individually tutor over a dozen students in Intro to Computer Science and Introduction to Algorithms classes
- Assist students in debugging homework code while demonstrating proper principles of software engineering

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

- Achieved a National Team Ranking of 16th in the U.S. during the 2019 – 2020 season
- Ranked among the Top 10 Squash Players in the U.S. throughout junior career

SKILLS AND INTERESTS

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