

Eric Mannes

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I'm a junior interested in algorithms, security, and education.

Education

Massachusetts Institute of Technology

2016

Candidate for B.S. in Mathematics

Cambridge, MA

4.8/5.0 GPA. Past/current coursework: Advanced Algorithms, Advanced Data Structures, Network and Computer Security, Computer Systems Security, Commutative Algebra, Computation Structures, Effective Programming in C and C++, and Applied Math for Pure Mathematicians.

Experience

Jane Street Capital

May–August 2014

Trading Intern

New York, NY

- Researched trading strategies. Used numpy and other Python-based data analysis libraries.
- Programmed data analysis tools.

MIT Computer Science and Artificial Intelligence Lab

June–August 2013

Undergraduate Researcher

Cambridge, MA

- Studied lower bounds on multilinear formulas for quantum states.

Projects

Reverse-engineering Venmo: Analyzed Venmo, a social payments app, for a group project in a computer security class. Disclosed security issues (now fixed). Invited to Venmo's offices to present our work.

zScore: Co-wrote an open-source Django site allowing users to track their sleep and compare to their friends.

Skills

Languages and technologies: Python, Linux, Git, \LaTeX , C, C++

Leadership and Service

MIT Educational Studies Program

2012–present

- Directed Splash! 2013, a weekend-long educational program for 2670 high school students. Made policy decisions, led a team of 30+ administrators, and organized over 600 day-of teachers and volunteers.
- Created and taught classes on mathematics, puzzle-solving, and cognitive biases.

I-HELP Liberia Project

2013

- Co-developed and taught two-week workshop in Kakata for 100 Liberian math and science teachers.
- Co-wrote and held first Liberian Math Olympics for high school students in Monrovia.

Awards

- Honorable mention, Putnam math contest (2012)
- Winning team, MIT Mystery Hunt (2012, 2014)

Interests

- President of mitBEEF, MIT's beef appreciation club
- Solving puzzles