

# Eric Mannes

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

## Education

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### Massachusetts Institute of Technology

2016

*Candidate for B.S. in Mathematics*

Cambridge, MA

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

## Experience

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### 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

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**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

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**Languages and technologies:** Python, Linux, Git,  $\text{\LaTeX}$ , C, C++

## Leadership and Service

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### 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

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

## Interests

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