

# Eric Mannes

290 Massachusetts Avenue – Cambridge, MA 02139

☎ (646) 784-5216 • ✉ mannes@mit.edu • 🌐 ericmann.es • 🌐 ericmannes

## Education

---

### Massachusetts Institute of Technology

2012-2016

*Candidate for B.S. in Mathematics*

Cambridge, MA

4.6/5.0 GPA. Past/current coursework: Advanced Algorithms, Advanced Data Structures, Network and Computer Security, Commutative Algebra, Effective Programming in C and C++, and Applied Math for Pure Mathematicians.

## Experience

---

### Asana

June 2015–present

*Software Engineering Intern*

San Francisco, CA

- o Designed and built Zookeeper-coordinated system to manage security updates for web servers.
- o Used Typescript and React to build rich text editor for Asana's new UI framework.

### Jane Street Capital

May–August 2014

*Trading Intern*

New York, NY

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

### MIT Computer Science and Artificial Intelligence Lab

June–August 2013

*Undergraduate Researcher*

Cambridge, MA

- o 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. Mentioned on Slate, Sophos' *Naked Security* blog, and Yahoo Finance.

**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, L<sup>A</sup>T<sub>E</sub>X, Javascript (and Typescript), C, C++

## Leadership and Service

---

### MIT Educational Studies Program

2012–present

- o 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.
- o Created and taught classes on mathematics, puzzle-solving, computer security, and cognitive biases.

### I-HELP Liberia Project

2013

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

## Awards and Interests

---

- o Honorable mention on 2012 William Lowell Putnam math contest (top 50 out of 4277)
- o President of mitBEEF, MIT's beef appreciation club
- o Winning team, 2012 and 2014 MIT Mystery Hunt