

**EDUCATION****Massachusetts Institute of Technology (MIT)**

Cambridge, MA

Candidate for a B.S. in Electrical Engineering &amp; Computer Science

June 2016

- Courses: Artificial Intelligence, Algorithms, Applied E&M, Software Engineering in Java, Introduction to EECS I, Discrete Math

**Staten Island Technical High School** GPA 4.0/4.0

New York, NY

- SAT: 2310 (720 CR/800 M/800 W), ACT: 34, SAT II Math: 760, Chemistry: 800, World History: 800

June 2012

- National AP Scholar, AP Scholar with Distinction, National Merit Scholarship Finalist & Winner

**EXPERIENCE****Intel Corporation**, Software Engineer Intern

May 2013 - Aug 2013, Hillsboro, OR

- Developed human detection algorithms in C# and MATLAB using next-generation Ultrabook<sup>®</sup> sensors on Windows 8.
- Learned various machine learning and signal processing techniques. Implemented a template matching algorithm.
- Collaborated with Ph.D candidates and several graduate students in agile software development.

**MIT Media Lab**, Undergraduate Researcher

Sept 2012 - Jan 2013, Cambridge, MA

- Joined the development team for MIT's Scratch program, a tile-based visual programming environment for kids.
- Worked with HTML and Photoshop in developing the new online help system under the supervision of a lead developer.

**TD Ameritrade**, Technology Intern

June 2012 - Aug 2012, Jersey City, NJ

- Studied cloud computing and Disaster Recovery strategies under TD Ameritrade's Disaster Recovery (DR) team.
- Participated as an active member in the development of a DR strategy. Assisted the Director of Technology Operations and a project manager with the write-ups of project charters, conference notes, e-mails, etc.
- Facilitated the set-up of TD Ameritrade's first Hackapalooza. Prototyped an Android Mobile Application.

**Zero Robotics**, Captain, Software Engineer

Aug 2011 - Jan 2012, New York, NY

A national programming competition sponsored by NASA, the DARPA, and MIT.

- Organized my high school's first Zero Robotics team. Led team to competition finals at MIT, where we watched a live streaming of our software, written in C, being run on MIT's SPHERES lab aboard the International Space Station (ISS).

**LEADERSHIP****2013 Goldman Sachs Women's Leadership Camp**

April 2013

- Selected among hundreds of applicants to attend a one day event at Goldman Sachs' New York office for women interested in financial services. Networked with company executives and learned about roles within the firm.

**MIT Society of Women Engineers (SWE)**, Department Liaison; Marketing Freshman Representative

Fall 2012 - present

- Coordinate various events connecting students with various faculty members. One such event included an exclusive chat with world famed linguist and Professor (Emeritus) Noam Chomsky.

**MIT Sloan Business Club (SBC)**, Board of Directors, Engineering Focus Group Member

Fall 2012 - present

- Marketing Director of Sloan Business Club. Responsible for all marketing and publicity materials.
- Director of Sloan Business Club's Internship Networking Exclusive (INE), an intimate networking event between students and various companies in finance and consulting.

**MIT Terrascope: Mission 2016**, Researcher, Q&A Panelist

- Collaborated with fellow students to devise a proposal the future of strategic natural resources and rare earth elements.
- Specialized in the international trade of REEs. Authored a proposal for international trade regulation of REEs.
- Participated as a Q&A panelist for a committee of 3 world experts in the field.

**AWARDS**

- 2012 National Center for Women & Information Technology (NCWIT) Award: National Runner-Up, NY Tri-State Area Winner
- 2011 Zero Robotics SPHERES Challenge, National Finalist
- 2012 17th Annual Michael J. Petrides Student Award for Excellence in Mathematics and Science, Winner

**SKILLS**

Python, Java, C#, MATLAB, Visual Studio, Eclipse, Perforce, HTML, CSS, LaTeX, Photoshop, AutoCAD, and Microsoft Excel