

Education

Massachusetts Institute of Technology (MIT)

Bachelor of Science in Computer Science and Engineering, Minor in Music
4.8/5.0 GPA

Cambridge, MA

June 2014 (expected)

Work Experience

NetApp, Inc.

Software Engineering Intern - High Availability Development

Sunnyvale, CA

Jun 2013 - Aug 2013

- Wrote, tested, and added code to Data ONTAP to track CPU utilization during aggregate relocation (ARL) operations
- Added supportability code (macros, logging messages) for post-hoc diagnosis
- Developed framework for future projects involving dynamic load balancing and failover target selection for N-Way

Jamison Research Group (MIT Department of Chemistry)

Undergraduate Researcher in Organic Chemistry

Cambridge, MA

Jun 2012 - Sep 2012

- Contributed to development of a portable system to synthesize drugs quickly and efficiently for use in the military and developing countries
- Conducted gram-scale flow chemistry experiments to optimize conditions for synthesizing Lidocaine and other common active pharmaceutical ingredients, producing 400+ doses per day

Introduction to Python (6.S189)

Lab Assistant

Cambridge, MA

January 2012

- Helped 250 first-time programmers learn efficient object-oriented programming with Python in only 3 weeks
- Wrote, proofread, and tested solutions for homework assignments
- Graded problem sets and weekly coding projects

Leadership

MIT Techiya

President and past Treasurer of a-cappella group

Cambridge, MA

Jan 2011 - Present

- Coordinated, scheduled, and publicized performances, auditions, and community outreach events
- Revived alumni relations and increased on-campus recognition

MacGregor House (MIT)

Room Assignment Chair

Cambridge, MA

Feb 2012 - Present

- Collaborated with Office of Residential Life to resolve rooming conflicts and room-change requests in 300+ room dorm
- Coordinated annual 3-hour tour of the 9 culturally distinct sections of the dormitory, allowing the 120 incoming freshmen to meet upperclassmen before requesting rooms

MIT Hiring Committee for Residential Life Area Directors (RLAD)

Student Representative for MacGregor House

Cambridge, MA

Jul 2012 - Sep 2012

Honors

Mathletes Math Competition Club, Lowell High School

3-time recipient of Ivan Barker Math Award

San Francisco, CA

May 2008 - May 2010

Awarded annually for the school's highest total score on the 6 California Math League tests

Google Computer Award

May 2010

One-time award given to the top 4 math students in the school

Projects & Skills

Software: Python, Java, C, MS Excel; basic proficiency with C++, FORTRAN, HTML, JavaScript, Mathematica, MATLAB

Languages: Conversationally proficient in French; basic understanding of Spanish

Past Projects:

- Minesweeper game and solver (Python)
- abc Music Player to parse and play text-only music notation files (Java)
- ProjectEuler.net (Python): 35+ problems solved
- Installing and wiring a solar panel to provide electricity to a cabin deep in the Canadian woods

Interests

biking, hiking, camping, leading trips, sailing, Quidditch, baking, singing