

Nathalie Huynh

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Education

Massachusetts Institute of Technology
Bachelors of Science in Computer Science and Engineering
Minor: Materials Science and Engineering

Expected Dec 2015

GPA: 4.7/5.0

Relevant courses:

- Algorithms and Data Structures; Elements of Software Design; Design and Analysis of Algorithms; Artificial Intelligence; Computation Structures and Computer Architecture;
- Discrete Mathematics for Computer Science; Multivariable Calculus; Differential Equations

Experience

Electrical Engineering and Computer Science Department at MIT

Cambridge, MA

Lab Assistant

Sept 2014 - Present

- Assisted first year EECS students in understanding the fundamentals of the discipline
- Guided students through hands-on lab work designed to develop skills in control systems, state machines, circuits, probability and search
- Tutored students outside of lab hours for 2-5 hours per week

IBM

Rehovot, Israel

Rhapsody Software Developer

June - July 2014

- Programmed a series of automations in Rhapsody, IBM's systems modeling software
- Reduced user's initial development time by half and eliminated major sources of error introduced through the previous, nonautomated workflow
- Designed a scalable, streamlined testing workflow for Rhapsody developers

The Magnetic Materials and Devices Group at MIT

Cambridge, MA

Undergraduate Researcher

Summer 2012 and 2013

- Collected and analyzed data using MATLAB
- Researched the effects of magnetic crystals on silicon for the development of optical circuits
- Created a simulation in Mathematica to predict the levels of light transmission in magnetized silicon films

Leadership

GlobeMed

Cambridge, MA

Financial Director and Community Development Director

Sept 2011-Jan 2013

- Worked alongside Hope Through Health, a grassroots organization of HIV clinics in northern Togo, West Africa. I organized grant applications and fundraisers to help fulfill the needs and goals of these clinics
- Dealt with up to \$20,000 in funds, transactions, donations, and/or travel grants per semester
- Organized member retreats and attended to each subcommittee within GlobeMed to ensure the overall alignment and cohesiveness of the group's goals and values with those of GlobeMed national and our partner organization

Chinese Students Club

Cambridge, MA

Events Director

April 2012-April 2013

- Organized up to 15 unique events per semester to celebrate and educate MIT students about Asian American culture and traditions

Skills

- *Software Development:* Java, Python, Git; *Exposure to:* HTML5, CSS3
- *Numerical Analysis Software:* Mathematica, MATLAB
- *Computer Aided Design:* Vectorworks (Spotlight)

Activities

- MIT Blacksmithing
- Theater Arts (lighting design and stagecraft)
- Kappa Alpha Theta Sorority