

CAROLYN CHANG

changc@mit.edu | 3 Loring Road, Lexington MA 02421 | (339) 223 - 0082

EDUCATION

Massachusetts Institute of Technology - Class of 2016

Cambridge, MA

- ❖ Candidate for B.S. in Electrical Engineering and Computer Science
- ❖ Relevant Coursework: Algorithms, Computer Architecture, Introduction to EECS, Mathematics for Computer Science (Discrete Math), Multivariable Calculus, Physics (E&M, Mechanics), Intro to Accounting, Chinese I

EXPERIENCE

Computer Science Artificial Intelligence Lab (CSAIL): Haystack Group

Cambridge, MA

Undergraduate Research Opportunity Program (UROP)

Aug 2013 - Present

- ❖ Integrating features from the Video Annotation Prototype from previous UROP with NB's platform for production (NB is a PDF annotation tool website currently used in 300+ classrooms in the U.S.)

Computer Science Artificial Intelligence Lab (CSAIL): MITx, Online Education

Cambridge, MA

Undergraduate Research Opportunity Program (UROP)

June 2013 - Aug 2013

- ❖ Developed a video-annotation prototype for NB from scratch to allow users to interact with videos
- ❖ Integrated code into an unreleased product for NB, became very familiar with the code and wrote the only documentation
- ❖ Created UI-focused projects using D3, Youtube API, jQuery UI, Bootstrap, local storage, and Parse (server side storage)

Humans and Automation Lab (HAL): Boredom Research Project

Cambridge, MA

Undergraduate Research Opportunity Program (UROP)

Dec 2012 - June 2013

- ❖ Created video-coding methodology, documentation and organization system
- ❖ Wrote python scripts to read experiment log files to extract information from 28 four-hour long experiments
- ❖ Video-coded 22 four-hour long experiments

Delia's Retail Company

Burlington, MA

Sales Associate

July 2012 - Aug 2012

- ❖ Exceeded individual daily sales goals by double the amount
- ❖ Calculated how to optimize the sales and transactions for individual customers for fun

FIRST Tech Challenge Robotics Team #4029

Lexington, MA

Co-Captain, Co-Founder

Aug 2009 - July 2012

- ❖ Controlled the team's finances, projected expenses for the year and created spreadsheets tracking the cash flow
- ❖ Responsible for receiving \$1,000 grant from Parametric Technology Company
- ❖ Led weekly team meetings, decided on goals, worked directly with team mentors

LEADERSHIP & ACTIVITIES

Network of Sloan Undergraduate Women (NSUW): *Vice President of Corporate Relations* ('13-'14), *Corporate Relations Chair* ('12-'13)

- ❖ Built relationships with major firms, coordinated events with companies, created sponsorship PowerPoint

Society of Women Engineers (SWE): *Corporate Relations Chair* ('12-'13)

- ❖ Organized large events (200+ people) to connect women to professionals in the industry, arranged events with companies
- ❖ Mentor in the one-on-one College Connection Program and the "Big/Little" Program

Alpha Phi Fraternity, Zeta Phi Chapter:

- ❖ *Director of Academics* ('13-'14): Organized review sessions, mentorship program, class databases, and all course materials
- ❖ *Housing Department Chair* ('12-'13): Oversaw maintenance of chapter house, manually fixed problems, improved general organization, worked with contractors

MIT Chamber Music Society (5 Total Ensembles): *Violist*

Boston Philharmonic Youth Orchestra: *Violist*

The Tech (MIT's school newspaper): *Music Critic* (2012)

Lightweight Women's Varsity MIT Crew Team: *Rower* (2012)

- ❖ Raced in the *Foot of the Charles* and *Dartmouth Green Monster*; Travelled to Florida for Winter Training during Freshman year

AWARDS

MIT Emerson Scholarship

2012

FIRST Tech Challenge World Championship Semifinalist Alliance Captain

2012

National High School Honors Orchestra Assistant Principal Violist

2012

Massachusetts Music Educators Association (MMEA) Award and Scholarship for Excellence in Music

2012

Lexington High School Concerto Competition Winner

2012

SKILLS

Programming: HTML/CSS/JavaScript/jQuery • Python