

# Cynthia Chen

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## EDUCATION

### OLIN COLLEGE OF ENGINEERING

ELECTRICAL AND COMPUTER ENGINEERING, BS CANDIDATE  
Expected May 2017 | Needham, MA  
Cum. GPA: 3.87 / 4.0

## LINKS

GitHub://yunhsincynthiachen  
LinkedIn://cynthia-yun-hsin-chen

## COURSEWORK

### CURRENT COURSEWORK

Analog and Digital Communications  
Mobile Prototyping  
Software Systems  
Fundamentals of Acting and Improv.

### PAST COURSEWORK

Data Science  
Materials Science  
User-Oriented Collaborative Design  
Signals and Systems  
Computer Architecture  
Discrete Math  
Gender and Film Initiative  
Topics on Designing Software  
Entrepreneurial Initiative  
Real World Measurements  
Linear Algebra  
Software Design  
Modeling and Simulation  
Modeling and Controls  
Media Revolution

## SKILLS

### COMPUTER

Python • Javascript • HTML • CSS  
D3 • Android • Matlab • C • Java •  
Verilog • Linux •  $\LaTeX$  • Photoshop •  
InDesign

### FILM PRODUCTION

Adobe Premiere Pro • Film Editing •  
Cinematography • Directing

## EMPLOYMENT AND RESEARCH EXPERIENCE

### SELDN INC. | FRONT-END DEVELOPER, D3 SPECIALIST, DATA SCIENCE

May 2015 – Present | Palo Alto, CA

- Main front-end developer for the stealth startup.
- Created a MVP for a product that incorporates D3 data-driven visualizations to examine how the supply chain risks that SELDN's AI prediction models foresee.
- Worked on data wrangling.
- Designed and created the main websites for the company's product and landing page.

### ENGINEERING EDUCATION RESEARCH, OLIN COLLEGE | STUDENT RESEARCHER: MOTIVATION IN STEM EDUCATION

September 2013 – Present | Needham, MA

- Using qualitative and quantitative data approaches, I work with Olin professors to delve into the stories and emotional responses of students to understand student motivation in higher education STEM programs.
- At a Chicago STEM education conference, presented a paper that takes an ethnographic approach to looking at how students perceive the course's relevance and how that relates to situational motivation.

### INFORMATION TECHNOLOGY DEPARTMENT, OLIN COLLEGE | IT STUDENT WORKER

October 2013 – Present | Needham, MA

- Working at the Help Desk, I fix hardware, software and other computer-related issues for Olin students and faculty.

## ENGINEERING PROJECTS

AUGUST 2013 – PRESENT | NEEDHAM, MA

### SOUNDCHECK - FINDING PEACE IN PUBLIC | CLASS PROJECT, USER-ORIENTED COLLABORATIVE DESIGN

- Working with Domestic Violence Hotline Volunteers, my team and I designed a product that helps volunteers find quiet and safe places to take calls.
- We concentrated on improving the discretion of calls, focus that volunteers can give the caller and efficiency of taking calls.
- Developed personas and co-designed with users.

### DATA MINING AND ANALYSIS | CLASS PROJECTS, SOFTWARE DESIGN TWITTER ACADEMY AWARDS/OSCAR PREDICTOR:

- Using Twitter's API to mine for tweets with words pertaining to Oscar Predictions, we performed sentiment analysis and accurately predicted who will win the Oscars

### IMAGE RECREATION:

- Created an application that allows users to choose any picture and recreate the picture with any keyword they want (using Google Images' API and implementing an RGB formula)

### COMMCARE DATA MANAGEMENT - CLASS PROJECT, DATA SCIENCE

- Working with Dimagi, a company that delivers open and innovative technology to help underserved communities, on making data visualizations and analysis on their health management application