

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.
- Integrated agile scrum into our workflow.

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