

LUCY SHEN

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Education

- 2013 - Present | **Wellesley College** (BA Anticipated 2017)
Major: Computer Science | Minor: Economics
Relevant Coursework: Multimedia Design and Programming, Combinatorics and Graph Theory, Natural Language Processing, etc.
- January 2015 | **Massachusetts Institute of Technology**
6.470/6.148 Web Programming Competition
- Fall 2015 | **Oxford University, Worcester College**
Relevant Coursework: Databases, Design and Analysis of Algorithms

Work Experience

Coursera

Software Engineering Intern

September - December 2016, 12 weeks (Current)

- Developed new front-end features and components in React.js for the enterprise platform on the admin side.
- Contributed to a new reusable React.js component library.

Verily (formerly Google Life Sciences)

Software Engineering Intern

May - August 2016, 13 weeks

- Designed and implemented full-stack medical event reporting functionality for the Baseline Study using Closure Templates, Javascript, Guice, and Java Apps Framework, following material design principles.
- Designed and implemented CRUD API for managing participant event reporting data.
- Laid out roadmap for future features built on this infrastructure.

Google Play Search and Discovery

Engineering Practicum Intern

May - August 2015, 12 weeks

- Designed and implemented APIs for Google Play Search and Discovery to streamline application cluster management using Java, RPC, Stubby, and Bigtable.
- Wrote unit tests in Mockito with 85%+ code coverage.
- Designed and implemented a web application for the Google Play merchandising team to review algorithmic proposals to optimize pool performance and improve the app discovery experience. Used Python, Django, HTML/CSS, JavaScript, and BigTable.

Leadership Experience

- Fall 2013 - **MIT/Wellesley Toons** (A'capella)
- Spring 2016 | Publicity Chair, Webmaster, CD Manager, Multimedia Manager, Business Manager, Treasurer
- Fall 2013 - **Wellesley Wushu** (Martial Arts)
- Spring 2015 | Publicity Chair, Webmaster
- Fall 2013 - **Wellesley College TV** (Satire news)
- Spring 2014 | Anchor, Technical Operations

Academic Research

Wellesley College Economics Department

Undergraduate Researcher

2016 Summer

- Wrote Python scraping and cleaning scripts to collect and organize Google Trends data on racial animosity by geographic region over time.

MIT AeroAstro Department

Undergraduate Researcher

2015 Spring Semester

- Collected data using Twitter's REST and Streaming APIs, writing Python scripts for cleaning the data.
- Visualized results using D3.js as chord diagrams, force diagrams, edge bundling graphs, bar charts, scatter plots, etc.

Wellesley College CS Department

Undergraduate Researcher

2015 Spring Semester

- Scraped the Wellesley College website for data using Python library BeautifulSoup.
- Visualized results using D3.js.

Projects

Shleep: a voicechat web app for insomniacs

January 2015, MIT IAP 6.470

- Full-stack developer and project lead.
- Created using Meteor.js, MongoDB, IronRouter, and WebRTC.

GSD: gamification and productivity web app

February 2014, Rosie Hackathon

- Project group of 10, 5 business-side.
- Web designer and front-end developer.

SPAM: a Shockwave block-clearing game

Fall 2014, Wellesley College CS215

- Built on Adobe Director with Lingo.

Sam Wu: portfolio website

Spring 2014, Wellesley College CS110

- Designed and implemented with a partner, Yiwei Qi, using HTML, CSS and pure Javascript.

Programming Languages

Proficient:

- Java, Python, Javascript/jQuery, HTML, CSS, C, SQL, Lingo