# LAURA CHEN

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## EDUCATION

**SWARTHMORE COLLEGE,** B.A. in Computer Science and Economics, Class of 2019
- Overall GPA: **3.96**. Computer Science GPA: **4.0**
- Courses: Computer Systems, Data Structures & Algorithms, Linear Algebra

## PROJECTS

**DYNO,** a mobile app to connect indoor climbers                                July 2017 - Present
- Designing and prototyping a social app for indoor rock climbing to connect belay partners. Wrote a product spec and learning Sketch to create wireframes.

**PROJECTS FOR COMPUTER SYSTEMS,** Swarthmore College                                Spring 2016
- Implemented a Unix shell by parsing command line arguments, creating/reaping processes, and handling signals.
- Implemented and parallelized virtual Conway's Game of Life (2D arrays, dynamic allocation, threads, mutex locks, barriers.)

**PROJECTS FOR DATA STRUCTURES AND ALGORITHMS,** Swarthmore College                                Fall 2016
- Implemented a plagiarism-checker by using a heap to find suspicious documents.
- Implemented a graph to write a railway game for two players (depth-first search, breadth-first search, Djikstra's algorithm.)
- Developed a Scrabble Assistant program that uses a hash table to help players find solutions to Scrabble.

**FEMME HACKS,** University of Pennsylvania                                February 2016
- Built Chrome extension that allows users to reflect on the content of a webpage and save their reflections.
- Learned new languages/platforms (Firebase, HTML, CSS, and Javascript) on the spot to create a project.

## LEADERSHIP

**OUTREACH COORDINATOR,** Swarthmore College Writing Program      August 2017 – Present
- Developing inclusive resources and events to foster a culture of writing and strengthen communications at Swarthmore. Designing workshops, write-ins, and the experience of using the Writing Program.

**OUTREACH COORDINATOR,** Hack the TriCo                                July-August 2016
- Worked daily on a team to plan a hackathon for three schools. Designed and wrote a sponsorship document and a system to reach out to sponsors.

## WORK EXPERIENCE

**ECONOMICS RESEARCH ASSISTANT,** Swarthmore College, Swarthmore PA                                June – August 2017

**ECONOMICS TUTOR,** Swarthmore College, Swarthmore PA                                January 2017 – Present

**WRITING ASSOCIATE,** Swarthmore College Writing Program                                September 2016 – Present

**INTERN,** Ruth Bennett Community Farm, Chester, PA                                June 2016 – August 2016

## SKILLS

■■■■■     C++, C, Python, Git, Adobe Creative Cloud (InDesign, Lightroom, Photoshop, Illustrator), Wordpress

■■■■□     HTML/CSS, Stata

■■■□□     Valgrind, Sketch

LANGUAGES | English and Mandarin (Fluent), Spanish (Proficient), Russian (Beginner)