LAURA CHEN

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EDUCATION

SWARTHMORE COLLEGE, B.A. in Computer Science and Economics, Class of 2019

- GPA: **3.87**
- Courses: Artificial Intelligence, Programming Languages, Computer Systems, Data Structures & Algorithms, Linear Algebra, Algorithms
- Awards: GHC 2018 Scholar; 2017, 2018 Rewriting the Code Fellow

PROJECTS

DYNO, a mobile app to connect indoor climbers   July 2017 – Present
- Using Swift and XCode to build an iOS app that connects indoor rock climbing partners based on skill.

PROJECTS FOR ARTIFICIAL INTELLIGENCE in Python, Swarthmore College   Spring 2018
- Built and trained a neural network on Yummly recipe data to predict the cuisine of a recipe.
- Wrote agents that use Monte Carlo tree search and depth-bounded min/max search with alpha-beta pruning to play Mancala and Breakthrough.

PROJECTS FOR PROGRAMMING LANGUAGES in OCaml, Swarthmore College   Spring 2018
- Wrote an interpreter for the Fb language that evaluates expressions according to the grammar and operational semantics of the language.

PROJECTS FOR COMPUTER SYSTEMS in C, Swarthmore College   Spring 2016
- Implemented a Unix shell by parsing command line arguments, creating/reaping processes, and handling signals.

FEMME HACKS, University of Pennsylvania   February 2016
- Built Chrome extension that allows users to save digital notes on any webpage.

LEADERSHIP

SWATBEANS   January 2018 – Present
- Piloting a program that funds students to get coffee with Swarthmore alumni over the summer.

MEMBER, Swarthmore Womxn in Computer Science   January 2016 – Present
- Hosting technical interview prep sessions and mentoring other womxn in their internship searches.

OUTREACH COORDINATOR, Swarthmore College Writing Program   August – December 2017
- Led Swarthmore's Writing Program. Mentored peer writing tutors and spearheaded school-wide events.

WORK EXPERIENCE

WRITING ASSOCIATE, Swarthmore College Writing Program   September 2016 – Present
- Training peers to become better writers and communicators through one-on-one conferences.

ECONOMICS RESEARCH ASSISTANT, Swarthmore College   June 2017 – June 2018
- Co-authored paper on labor markets in 5 African countries. Analyzed causes of failed mergers.

ECONOMICS TUTOR, Swarthmore College   January – December 2017

SKILLS

■■■■■   Python, OCaml, C++, C, Swift, Git, Adobe Creative Cloud

■■■■■   HTML/CSS, Unix, bash, Stata

■■■■■   Valgrind, Java, Javascript, Firebase

ACTIVITIES | Competitive indoor rock climbing • Directing a capella group • Writing book reviews