

ANGELINA WANG

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EDUCATION

University of California, Berkeley

B.S. Electrical Engineering and Computer Science, Minor in Philosophy

(anticipated) May 2019

Major GPA: 3.95

Honors: Mark D. Weiser Excellence in Computing Scholarship, Regents and Chancellors' Scholar (top 2% of incoming class), Member of Eta Kappa Nu (Electrical and Computer Engineering Honors Society), Member of Tau Beta Pi (Engineering Honors Society), EECS Honors Program

Relevant Coursework: Data Structures, Efficient Algorithms and Intractable Problems, Artificial Intelligence, Machine Learning, Operating Systems and Systems Programming, Optimization Models in Engineering, Designing Visualizing and Understanding Deep Neural Networks, Probability and Random Processes

University of Cambridge

Summer study abroad: Philosophy

June 2016 - August 2016

TECHNICAL SKILLS

Computer Languages
Software & Tools

Python, C++, C, Java, JavaScript, Scheme, SQL, HTML, CSS, Swift
Git, Unix, LaTeX, Vim, Xcode

EXPERIENCE

BAIR (Berkeley Artificial Intelligence Research) Lab

Undergraduate Researcher

August 2017 - present

Berkeley, CA

- Work under Pieter Abbeel's group with postdoc Aviv Tamar on new ways to classify images using generative models
- *Safer Classification by Synthesis* (NIPS 2017 Aligned AI Workshop)

Archer (Technology Nonprofit, archerimpact.com)

Engineering Lead

January 2017 - present

Berkeley, CA

- Use Node and React to build a web application that allows for an entirely new way to conduct open source investigations, based off responses to extensive user interviews
- Visualize public data and create adjacency matrix scheme to manipulate and view entity connections using the Javascript library D3

Introduction to Machine Learning (CS189/289A)

Academic Intern

January 2018 - May 2018

Berkeley, CA

- Help to write and debug homework problems and solutions for class of over 300

Google, Inc.

Engineering Practicum Intern

May 2017 - August 2017

Seattle, WA

- Worked on infrastructure team to improve Streaming Flume, the internal streaming data processing system
- Implemented hot key detection and mitigation to parallelize bottlenecks in the pipeline
- Created a protocol buffer communication channel for key heat information between manager and worker nodes

PROJECTS

Pairings

- Implemented version of Stable Marriage Algorithm that doesn't require participants to rank all members
- Utilized Google Sheets API to read from and write results of creating optimal pairings to

Voice Control Robot

- Built a robot that responds to 4 voice commands identified using PCA
- Created eigenvalues and controls to allow for forwards movement of 2 different speeds and turning

EXTRACURRICULARS

Challah for Hunger - served as executive board member of community service organization

Juggling Club - favorite patterns: Jim's 3 count, factory