

ANGELINA WANG

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EDUCATION

University of California, Berkeley

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

(anticipated) May 2019

Technical GPA: 3.87

Honors: 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)

Relevant Coursework: Data Structures, Machine Structures, Efficient Algorithms and Intractable Problems, Artificial Intelligence, Operating Systems and Systems Programming, Optimization Models in Engineering

University of Cambridge

Summer study abroad: Philosophy

June 2016 - August 2016

TECHNICAL SKILLS

**Computer Languages
Software & Tools**

Python, C++, C, Java, 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 deep learning
- Will present work (<https://arxiv.org/abs/1711.08534>) at Aligned AI workshop at NIPS 2017

Archer (Technology Nonprofit, archerimpact.com)

Engineering Lead

January 2017 - present

Berkeley, CA

- Use Node and React to build a web application that will allow for an entirely new way to conduct open source investigations
- Consolidated data for every flight in the air through Amazon Redshift to maintain a historical database
- Implemented map visualization for aircraft flight patterns, with queries available by ICAO code or region

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 analysis
- Created eigenvalues and controls to allow for forwards movement of 2 different speeds and turning

Text Editor

- Created a text editor in Java with size change, scroll bar, word wrap, open/save, and undo/redo capabilities
- Constructed a cursor that moves to click location in constant time by maintaining linked lists of the characters

EXTRACURRICULARS

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

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