

# ANGELINA WANG

(858)353-8785 ◇ angelina.wang@berkeley.edu ◇ angelina-wang.github.io

## EDUCATION

---

**University of California, Berkeley** (anticipated) May 2019  
**B.S. Electrical Engineering and Computer Science**, Minor in Philosophy Technical GPA: 3.90

**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** June 2016 - August 2016  
Summer study abroad: Philosophy

## TECHNICAL SKILLS

---

<b>Computer Languages</b>	Python, C++, C, Java, Scheme, SQL, HTML, CSS, Swift
<b>Software &amp; Tools</b>	Git, Unix, LaTeX, Vim, Xcode

## EXPERIENCE

---

**BAIR (Berkeley Artificial Intelligence Research) Lab** August 2017 - present  
*Undergraduate Researcher* 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](http://archerimpact.com))** January 2017 - present  
*Engineering Lead* 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.** May 2017 - August 2017  
*Engineering Practicum Intern* 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