ANGELINA WANG

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EDUCATION

University of California, Berkeley *(anticipated) May 2019*
B.S. Electrical Engineering and Computer Science, Minor in Philosophy 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), 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 Visualizaing and Understanding Deep Neural Networks, Probability and Random Processes

University of Cambridge *June 2016 - August 2016*
Summer study abroad: Philosophy

TECHNICAL SKILLS

Computer Languages Python, C++, C, Java, JavaScript, Scheme, SQL, HTML, CSS, Swift
Software & Tools 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 generative models
- *Safer Classification by Synthesis* (NIPS Aligned AI Workshop 2017)

Archer (Technology Nonprofit, 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

Introduction to Machine Learning (CS 189/289A) January 2018 - present
Academic Intern *Berkeley, CA*

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

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
- 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