

# 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 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

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

## TECHNICAL SKILLS

---

<b>Computer Languages</b>	Python, C++, C, Java, JavaScript, SQL, HTML, CSS, Swift
<b>Software &amp; Tools</b>	PyTorch, TensorFlow, Git, Unix, LaTeX, Vim, ROS (Robot Operating System)

## EXPERIENCE

---

**BAIR (Berkeley Artificial Intelligence Research) Lab** August 2017 - Present  
*Undergraduate Researcher* *Berkeley, CA*

- Work in Robot Learning Lab, advised by Pieter Abbeel, on building interpretable machine learning algorithms
- Organize all outreach and give lab tours and robot demonstrations to diverse groups

**Human Rights Investigation Lab of Berkeley Law School** August 2018 - Present  
*Technical Investigator* *Berkeley, CA*

- Develop hate speech monitoring dashboards across platforms for teams on the ground in Sub-Saharan Africa
- Assist in content analysis of bot tweets targeting women's reproductive rights activists

**Archer (Technology Nonprofit, [archerimpact.com](http://archerimpact.com))** January 2017 - October 2018  
*Engineering Lead* *Berkeley, CA*

- Use Node and React to build web app for conducting open source investigations based off user interviews
- Visualize public data and create adjacency matrix scheme to manipulate entity connections using D3
- Presented products to government officials in Washington D.C. and at RightsCon 2018 in Toronto

**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

## PUBLICATIONS

---

**Learning Robotic Manipulation through Visual Planning and Acting** In review for ICRA 2019  
*A. Wang, T. Kurutach, A. Tamar, P. Abbeel*

- Propose a self-supervised, data-driven approach to planning robotic manipulation on deformable objects
- Use Causal InfoGAN to generate visual plan, and use learned inverse control model to execute actions on PR2
- 4 NeurIPS (NIPS) 2018 workshop appearances: oral presentation at Modeling the Physical World (5% accept), Deep RL (9% accept), poster presentations at Causal Learning, Infer2Control

**Safer Classification by Synthesis** NIPS 2017 Aligned AI Workshop  
*W. Wang, A. Wang, A. Tamar, X. Chen, P. Abbeel*

- Propose a new computer vision method to perform image classification using generative models
- By learning distribution of known data, can threshold out-of-distribution images to perform novelty detection

## TEACHING

---

**Machine Learning @ Berkeley** July 2018 - Present  
*Education Officer* *Berkeley, CA*

- Teach, develop content for, and create homeworks for introductory 2-unit deep learning course of 200 students
- Prepare and host workshops and demos for the general community

**Introduction to Machine Learning (CS189/289A)** January 2018 - May 2018  
*Academic Intern* *Berkeley, CA*

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