

ANGELINA WANG

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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

Computer Languages	Python, C++, C, Java, JavaScript, SQL, HTML, CSS, Swift
Software & Tools	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

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) January 2017 - October 2018
Engineering Lead *Berkeley, CA*

- Use Node and React to build a web application based off extensive user interviews that allows for an entirely new way to conduct open source investigations
- 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
- Created a protocol buffer communication channel for key heat information between manager and worker nodes

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
- Using a Causal InfoGAN model to generate a visual plan, we use a PR2 to execute actions with a learned inverse control model

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

- Propose a new method to perform 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