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

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 Pieter Abbeel's Robot Learning Lab with postdoc Aviv Tamar on building interpretable machine learning algorithms

Archer (Technology Nonprofit, archerimpact.com) January 2017 - Present
Engineering Lead *Berkeley, CA*

· Use Node and React to build a web application based off responses to 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 20
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