

ANGELINA WANG

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EDUCATION

Princeton University
Ph.D. Computer Science

September 2019 -

University of California, Berkeley
B.S. Electrical Engineering and Computer Science, Minor in Philosophy

September 2015 - May 2019
Major GPA: 3.96/4.00

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
Summer study abroad: Philosophy

June 2016 - August 2016

TECHNICAL SKILLS

Computer Languages Python, C++, C, Java, JavaScript, SQL, HTML, CSS, Swift
Software & Tools PyTorch, TensorFlow, Git, Unix, LaTeX, Vim, ROS

PUBLICATIONS

Learning Robotic Manipulation through Visual Planning and Acting RSS 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

Safer Classification by Synthesis NeurIPS 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

EXPERIENCE

Google June 2019 - August 2019
Software Engineering Intern Mountain View, CA

- Worked on Google Shopping infrastructure team to build out new features for metric reporting
- Contributed side project of supplementing filtering by different metrics for fairness evaluation

BAIR (Berkeley Artificial Intelligence Research) Lab August 2017 - May 2019
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

Archer (Technology Nonprofit, 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 in Washington D.C. and RightsCon 2018 in Toronto, receiving medal from U.S. Treasury

Google 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

TEACHING

Machine Learning @ Berkeley July 2018 - May 2019
Education Officer Berkeley, CA

- Teach, develop content for, and create homeworks for introductory 2-unit deep learning course of 200 students
- Prepare course material and guest lecture for a course on the ethical impact of artificial intelligence
- 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