

Angelina Wang

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Education

- 2019- **Ph.D. Computer Science**, Princeton University
Advisor: Olga Russakovsky
- 2015-2019 **B.S. Electrical Engineering and Computer Science**, *Philosophy minor*, UC Berkeley
Advisors: Pieter Abbeel, Aviv Tamar
Major GPA: 3.96/4.00
- Summer 2016 **Pembroke-King's Programme Study Abroad**, *Philosophy*, University of Cambridge

Publications

A Technical and Normative Investigation of Social Bias Amplification

A. Wang, O. Russakovsky. *In submission*

Manipulative Tactics are the Norm in Political Emails: Evidence from 100K emails from the 2020 U.S. Election Cycle

A. Mathur, A. Wang, C. Schwemmer, M. Hamin, B. M. Stewart, A. Narayanan. *Draft*

REVISE: A Tool for Measuring and Mitigating Bias in Visual Datasets

A. Wang, A. Narayanan, O. Russakovsky. *ECCV 2020 Spotlight*

Learning Robotic Manipulation through Visual Planning and Acting

A. Wang, T. Kurutach, K. Liu, P. Abbeel, A. Tamar. *RSS 2019*

Safer Classification by Synthesis

W. Wang, A. Wang, A. Tamar, X. Chen, P. Abbeel. *NeurIPS 2017 Aligned AI Workshop*

Work Experience

- Summer 2019 **Google**, *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
- Aug 2018 - Dec 2018 **Human Rights Investigation Lab, Berkeley Law School**, *Technical Investigator*, Berkeley, CA
- Develop hate speech monitoring dashboards across platforms for teams in Sub-Saharan Africa
 - (Continuation of Archer work)
- Jan 2017 - Oct 2018 **Archer (Technology Nonprofit, archerimpact.com)**, *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
 - Present products in D.C. and RightsCon 2018 in Toronto, receiving medal from U.S. Treasury
- Summer 2017 **Google**, *Engineering Practicum Intern*, Seattle, WA
- Worked on infrastructure team to improve internal streaming data processing system
 - Implemented hot key detection and mitigation to parallelize bottlenecks in the pipeline

Honors

Mark D. Weiser Excellence in Computing Scholarship (Merit-based award for 1-2 students in Berkeley EECS)

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)

Teaching

- Fall 2020 **Fairness in Visual Recognition (COS IW 08)**, *Teaching Assistant*, Princeton, NJ
- Fall 2020 **Computer Vision (COS 429)**, *Teaching Assistant*, Princeton, NJ
- July 2020 **AI4ALL**, *Instructor*, Princeton, NJ
- July 2018 - **Machine Learning @ Berkeley**, *Education Officer*, Berkeley, CA
May 2019
- July 2018 - **Robot Learning Lab Outreach**, *Lead*, Berkeley, CA
May 2019
- Fall 2018 **Introduction to Machine Learning (CS189/289A)**, *Academic Intern*, Berkeley, CA

Extracurriculars and Outreach

Out in Tech Mentor - mentor for LGBTQ+ youth

JuST (Technology for a Just Society) - moderate anti-racist reading group discussions

Bias in AI Reading Group Organizer - organize biweekly reading group centered on topics of bias and fairness in machine learning at Princeton University

RISE (Research Inclusion Social Event) - organize monthly social event with discussions centered around diversity and inclusion issues in computer science

Society of Women Engineers - mentor for undergraduates

Juggling - favorite patterns: Jim's 3 count, Madness Mildness, Factory