

# Dora Zhao

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## Education

- 2023- PHD in Computer Science, Stanford University
- 2021-2022 MSE in Computer Science, Princeton University, GPA: 4.0/4.0  
Advisors: Olga Russakovsky and Andrés Monroy-Hernández
- 2017-2021 AB in Computer Science (*summa cum laude*), Princeton University, GPA: 3.97/4.0  
Advisor: Olga Russakovsky

## Publications

*\* denotes equal contribution*

### CONFERENCE PAPERS

#### Men Also Do Laundry: Multi-Attribute Bias Amplification

Zhao, D., Andrews, J., Xiang, A. *ICML 2023*.

#### Augmented Datasheets for Speech Datasets and Ethical Decision-Making.

Papakyriakopoulos, O., Choi, A., Thong, W., Zhao, D., Andrews, J., Bourke, R., Xiang, A., Koencke, A. *FAccT 2023*.

#### Understanding Teenage Perceptions and Configurations of Privacy on Instagram.

Zhao, D., Inaba M., and Monroy-Hernández, A. *CSCW 2022*.

#### Understanding and Evaluating Racial Biases in Image Captioning.

Zhao, D., Wang, A., and Russakovsky, O. *ICCV 2021*.

### JOURNAL ARTICLES

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

Wang, A., Liu, A., Zhang, R., Kleiman, A., Kim, L., Zhao, D., Shirai, I., Narayanan, A., and Russakovsky, O. *IJCV 2022*.

### WORKSHOP PAPERS

#### Gender Artifacts in Visual Datasets

Meister, N.\*, Zhao, D.\*, Wang, A., Ramaswamy, V.V., Fong, R., and Russakovsky, O. *ECCV 2022 Responsible Computer Vision (RCV) Workshop*.

#### Anti-Racist HCI: Notes on an Emerging Critical Technical Practice

One of nineteen authors\*. *alt.chi 2022*.

## PREPRINTS

### **Ethical Considerations for Collecting Human-Centric Image Datasets**

Andrews, J., **Zhao, D.\***, Thong, W.\*, Modas, A.\*, Papakyriakopoulos, O.\*, Nagpal, S.\*, Xiang, A.  
*Under Review.*

### **Beyond Web-Scraping: Crowd-sourcing a Geographically Diverse Image Dataset**

Ramaswamy, V.V., Lin, P., **Zhao, D.**, Adcock, A., van der Maaten, V., Ghadiyaram, D.,  
Russakovsky, O. *Under Review.*

## Presentations and Talks

### **Understanding Teenage Perceptions and Configurations of Privacy on Instagram**

- Part of a panel at *CSCW 2022 Northeast Meetup*

### **Understanding and Evaluating Racial Biases in Image Captioning**

- Part of an invited talk at *CVPR 2022 AI for Content Creation (AI4CC) Workshop*
- Part of an invited talk at *CVPR 2021 Visual Question Answering (VQA) Workshop*

## Work Experience

July 2022 -  
Present

### **AI Engineer, Sony Research (AI Ethics Team), New York, NY**

- Propose new metrics for measuring bias amplification in computer vision models
- Assist with large-scale data collection for an ethical human-centric dataset by building the dataset release platform using React, Express, and Firebase

May 2021 -  
Aug 2021

### **Research Intern, Sony Research (AI Ethics Team), Remote**

- Proposed methods for using generative adversarial networks to reduce spurious correlations in image datasets
- Mentors: Alice Xiang, Jerone Andrews

Sept 2017 -  
Dec 2018

### **Undergraduate Research Assistant, Stigma and Social Perception Laboratory, Princeton, NJ**

- Assisted Professors Nicole Shelton and Stacey Sinclair on audit study exploring the representations of diversity in college admissions materials and mission statements

## Teaching

Spring 2022

**Advanced Programming Techniques (COS 333), Teaching Assistant, Princeton University**

Fall 2021

**Advanced Programming Techniques (COS 333), Teaching Assistant, Princeton University**

Spring 2021

**Computer Vision for Social Good (COS IW 07), Teaching Assistant, Princeton University**

Spring 2021

**Fairness in Visual Recognition (COS IW 08), Teaching Assistant, Princeton University**

## Honors and Awards

2021

**Joseph Clifton Elgin Prize**, Award for the senior in School of Engineering and Applied Sciences who has done the most to advance the interests of the School in the community at large, *Princeton University*

2021

**Sigma Xi Book Award for Outstanding Undergraduate Research**, Princeton University

2020

**Outstanding Undergraduate Researcher – Honorable Mention**, Computing Research Association

2020

**Accenture Prize in Computer Science**, *Merit-based award for top 2 seniors in the Princeton Computer Science department*, Princeton University

2020

**Phi Beta Kappa Fall Election**, *Top 2% of graduating class*, Princeton University

2018

**Shapiro Prize for Academic Excellence**, *Top 2% after freshman year*, Princeton University

## Professional Service

### Reviewing

CVPR 2023

## Outreach

2022-Present	<b>Clinic to End Tech Abuse</b> , <i>Volunteer</i> - Support survivors of intimate partner violence by helping determine if someone is using technology to harm them and provide assistance with navigating privacy settings
2017-2021	<b>Asian American Student Association (AASA)</b> , <i>Co-President</i> - Led Princeton's largest undergraduate organization and organized both cultural and political events
2018-2019	<b>Carl A. Fields Center</b> , <i>Fellow</i> - Facilitated dialogue about race and identity for students