

Research Interests

social computing, human-computer interaction, social media design, algorithmic folk theories, online communities.

Education

- 2021-present **Stanford University**, *Ph.D. in Computer Science*, Palo Alto, CA.
GPA 4.00 Human-Computer Interaction Group
◦ Advised by Professor Michael Bernstein
- 2017–2021 **Harvey Mudd College**, *B.Sc. in Computer Science and Mathematics*, Claremont, CA.
GPA 3.99 ◦ Graduated with High Distinction
◦ Departmental Honors in Computer Science; Humanities, Social Sciences, and Arts
◦ Clinic (team capstone) award for “Generating Explanations for Random Forest Decisions”

Awards & Honors

- 2024 **Google Research**, *Google PhD Fellowship in Human-Computer Interaction*.
One of seven fellows selected (worldwide) in 2024 within HCI graduate scholars. Highly competitive international program that awards three-year fellowships to promising young academics.
- 2024 **ACM CSCW**, *Best Paper Honorable Mention Award*.
Commit: Online Groups with Participation Commitments
- 2024 **Stanford University**, *Stanford Interdisciplinary Graduate Fellowship*.
competitive, university-wide program that awards three-year fellowships to outstanding doctoral students engaged in interdisciplinary research. One of 35 fellows for 2024.
- 2023 **ACM CSCW**, *Best Paper Award*.
Cura: Curation at Social Media Scale
- 2022, 2023 **Stanford University**, *CS Student Service Award*.
- 2022 **Stanford University**, *EDGE Doctoral Fellowship*.
- 2021 **Computing Research Association**, *Outstanding Undergraduate Research Award*.
One of four awardees nation-wide
- 2021 **ACM CHI**, *Best Paper Honorable Mention award*.
Screen2Vec: Semantic Embedding of GUI Screens and GUI Components
- 2021 **Harvey Mudd College**, *Class of '94 Award*.
One of three awardees in the Computer Science department recognized for excellence in research and academics
- 2021 **Harvey Mudd College**, *Clinic Team Award*.
Three Clinic teams recognized for excellent final reports and client deliverables

Publications

The titles of papers currently under review are edited to maintain authors' anonymity.

- CHI 2026 (under submission) **On Guiding User Expression of Preferences for Social Media Feeds**,
CHI Conference on Human Factors in Computing Systems.
- CSCW 2026 (under submission) **On User Understanding of Mental Models of Social Media Algorithms**,
ACM Conference On Computer-Supported Cooperative Work And Social Computing.

- CSCW 2026 **(under submission) On A Design Pattern to Facilitate Collective or Coordinated Action**,
ACM Conference On Computer-Supported Cooperative Work And Social Computing.
- CSCW 2025 **Burst: Collaborative Curation in Connected Social Media Communities**,
Yutong Zhang, Taeuk Kang, Sydney Yeh, Anavi Baddepudi, **Lindsay Popowski**, Tiziano Piccardi, Michael S. Bernstein,
ACM Conference On Computer-Supported Cooperative Work And Social Computing.
- CSCW 2024 **Commit: Online Groups with Participation Commitments**,
Lindsay Popowski, Yutong Zhang, and Michael S. Bernstein,
ACM Conference On Computer-Supported Cooperative Work And Social Computing
Best Paper Honorable Mention Award.
- CSCW 2023 **Cura: Curation at Social Media Scale**,
Wanrong He, Mitchell L. Gordon, **Lindsay Popowski**, and Michael S. Bernstein,
ACM Conference On Computer-Supported Cooperative Work And Social Computing
Best Paper Award (awarded to top 1%).
- UIST 2022 **Social Simulacra: Creating Populated Prototypes for Social Computing Systems**,
Joon Sung Park, **Lindsay Popowski**, Carrie J. Cai, Meredith Ringel Morris, Percy Liang, and Michael S. Bernstein,
ACM Symposium on User Interface Software and Technology.
- CHI 2021 **Screen2Vec: Semantic Embedding of GUI Screens and GUI Components**,
Toby Jia-Jun Li*, **Lindsay Popowski***, Tom M. Mitchell, and Brad A. Myers,
CHI Conference on Human Factors in Computing Systems
Best Paper Honorable Mention award (awarded to top 5%).
- SIGCSE 2021 **A Biology-based CS1: Results and Reflections, Ten Years In**,
Zachary Dodds, Malia Morgan, **Lindsay Popowski**, Henry Coxe, Caroline Coxe, Kewei Zhou, Eliot Bush, and Ran Libeskind-Hadas,
ACM Technical Symposium on Computer Science Education.
- AIJ 289 **Quantifying controllability in temporal networks with uncertainty**,
(2020) Shyan Akmal, Savana Ammons, Hemeng Li, Michael Gao, **Lindsay Popowski**, and James C. Boerkoel Jr,
Journal of Artificial Intelligence.
- AAAI 2020 **Dynamic control of probabilistic simple temporal networks**,
Michael Gao*, **Lindsay Popowski***, and Jim Boerkoel,
AAAI Conference on Artificial Intelligence.

Research Experience

- 2022-present **Stanford University**,
Advisor: Michael Bernstein.
Working on topics related to online behavior and social media: encouraging participation in online communities, critiquing and analyzing communication affordances, and analyzing user mental model formation.
- 2021-2022 **Stanford University Rotations**,
With Michael Bernstein, Angèle Christin**, Jeff Hancock***.*
- Fall* (with Joon Sung Park): Using large language models to power a prototyping tool for online communities and other social computing systems.
 - Winter**: Ethnography of Instagram fashion and lifestyle influencers focused on authenticity, audience mediation, platform conflict, and self-representation.
 - Spring***: Study of mental health misinformation on TikTok and the use of “Stitch” video responses for correction and call-out.
- Summer/Fall 2020 **Carnegie Mellon University**,
with Toby Jia-Jun Li and Brad A. Myers.
Designed and coded four self-supervised models for embedding app GUI components and screens, developed evaluation frameworks for each, and performed the evaluations

- Summer/Fall 2019 **Harvey Mudd College,**
with *James C. Boerkoel Jr.*
Developed two new algorithms to dynamically schedule multi-agent teams, and implemented/tested one along with a baseline
- Summer 2018 **Harvey Mudd College,**
with *Zachary Dodds.*
Helped revise intro CS course (writing homework problems, organization), and developed tools for professors in other disciplines (lab data analysis Python workflows and instructions for physics faculty, NLP pipeline for professor in government)

Mentorship

- Yutong Zhang (MSc),** *Fall 2023-present.*
Ignacio Fernandez, *Summer 2023-Spring 2024.*
Sydney Yeh, Anavi Baddepudi, *Fall 2023-present.*
Taeuk Kang, *Summer 2023-present.*
Carmel Limcaoco, Emma Wang, Estella Zhou, Star Doby, Brian Park, *Fall 2023.*
Chijioke Chinaza Mgbahurike, *Summer-Fall 2023.*
Tianqi Li, *Summer 2023.*
Wanrong He, *Summer-Fall 2022.*
Pauline Arnoud, Kris Jeong, Nicole Garcia, *Summer 2022-Spring 2023.*

Service

- 2023, 2024 **EDGE Mentor.**
 2023, 2024 **Reviewer, CSCW.**
 2021, 2023 **Stanford CS PhD Student-Applicant Support Program (SASP) Reviewer.**
 2023 **STEM Fellows Mentor.**
 2022 **Reviewer, ICA.**
 2022 **Reviewer, Social Media + Society.**
 2022-present **Stanford CS PhD Admit Weekend Co-chair.**
 2022-2023 **Stanford CS PhD Breadth Requirement Committee.**
 2020 **AAAI Student Volunteer.**

Skills

- Technologies Proficient in Python, Java, C++, Git
 Familiar with pytorch, scikit-learn, R, jupyter notebook, haskell
- Languages English (native), Spanish (advanced, 6 years)