

Research Overview

I design and build systems and interventions to mitigate sociotechnical harms driven by empirical insights. I combine large-scale, quantitative measurements of real-world online systems with deep, qualitative perspectives from targeted communities to understand the complexities of emergent online abuse phenomena and how they affect vulnerable populations. Grounded in these observations, I systematize models of stakeholders' behaviors to improve users' security, privacy, and safety through more effective technical solutions and public policy guidance.

Education

- Exp. June 2025 **Ph.D. in Computer Science**, *Stanford University*
Dissertation: A Security Perspective on Designing Safer Sociotechnical Systems
Research interests: security, human-computer interaction, online abuse, trust & safety
Advisor: Prof. *Zakir Durumeric*
- Jan. 2025 **M.S. in Computer Science**, *Stanford University*
- May 2020 **B.A. in Computer Science**, *University of California, Berkeley*
Advisor: Dr. *Serge Egelman*

Honors & Awards

- 2024 **Best Paper Honorable Mention**, *ACM CSCW*, for [1], top 4%
- 2023 **Best Paper Award**, *ACM CSCW*, for [2], top 1%
- 2021 **Graduate Research Fellowship Program Fellow**, *National Science Foundation*
- 2020 **School of Engineering Fellow**, *Stanford University*
- 2020 **Outstanding Undergraduate Student Instructor Award**, *University of California, Berkeley*, top 10%

Publications

- [1] [C. Han](#), A. Li, D. Kumar, and Z. Durumeric, "PressProtect: An online harassment filtering system for journalists," *Proc. ACM Hum.-Comput. Interact.*, no. CSCW, 2024.
Best Paper Honorable Mention.
- [2] [C. Han](#), J. Seering, D. Kumar, J. Hancock, and Z. Durumeric, "Hate raids on Twitch: Echoes of the past, new modalities, and implications for platform governance," *Proc. ACM Hum.-Comput. Interact.*, no. CSCW, 2023.
Best Paper Award.
- [3] [C. Han](#), A. Li, D. Kumar, and Z. Durumeric, "Characterizing the MrDeepFakes sexual deepfake marketplace," in *USENIX Security Symposium*, 2025.
- [4] [C. Han](#), D. Kumar, and Z. Durumeric, "On the infrastructure providers that support misinformation websites," *ICWSM*, 2022.
- [5] [C. Han](#), I. Reyes, A. Feal, J. Reardon, P. Wijesekera, N. Vallina-Rodriguez, A. On, K. Bamberger, and S. Egelman, "The price is (not) right: Comparing privacy in free and paid apps," *Proceedings on Privacy Enhancing Technologies Symposium (PoPETS)*, 2020.
- [6] K. Bamberger, S. Egelman, [C. Han](#), A. On, and I. Reyes, "Can you pay for privacy? consumer expectations and the behavior of free and paid apps," *Berkeley Technology Law Journal (2020)*, 2020.
Honorable Mention, Future of Privacy Forum's Privacy Papers for Policymakers Award.
- [7] [C. Han](#), I. Reyes, A. On, J. Reardon, A. Feal, K. Bamberger, S. Egelman, and N. Vallina-Rodriguez, "Do you get what you pay for? comparing the privacy behaviors of free vs. paid apps," *Workshop on Technology and Consumer Protection (ConPro)*, 2019.

Presentations & Posters

Invited Talks and Workshops

- 2025 New York University Security Seminar
- 2025 UC Berkeley Security Seminar
- 2025 Stanford Computer Science Department Faculty Meeting
- 2024 Stanford Computer Forum Security Workshop
- 2023 KAIST HCI Seminar
- 2023 IEEE Workshop on Security for Harassment Online, Protections, and Empowerment
- 2023 Stanford HCI Lunch
- 2022 Stanford Security Lunch
- 2022 Stanford Computer Forum Security Workshop
- 2021 Stanford Security Lunch
- 2019 Privacy Law Scholars Conference
- 2019 Federal Trade Commission's PrivacyCon

Posters

- 2019 Symposium on Usable Privacy and Security Poster Session
- 2019 NSF Secure and Trustworthy Computing (SaTC) PI Meeting: Undergraduate Track

Industry Experience

- Summer 2019 **Software Engineering Intern**, *Salesforce*, San Francisco, CA
Established a metrics database and telemetry pipeline that was integrated into production services.

Teaching

Course Assistant, Stanford University

- Winter 2024 CS249i: The Modern Internet (Prof. Zakir Durumeric)
- Fall 2024 CS356: Topics in Computer and Network Security (Prof. Zakir Durumeric)

Teaching Assistant, University of California, Berkeley

- Spring 2020 CS161: Computer Security (Profs. David Wagner, Raluca Ada Popa)
Head TA: managed 17 TAs while spearheading transition to online learning for a class of 500 students; created course material and exams; taught conceptual and debugging skills.
- Fall 2019 CS161: Computer Security (Dr. Nicholas Weaver)
- Spring 2019 CS61B: Data Structures (Prof. Joshua Hug)
Course Climate Head: organized supplemental exam review sessions and mixer events to encourage students to meet peers and find assignment partners; designed and administered a survey to gauge course painpoints and student morale.
- Fall 2018 CS61C: Machine Structures and Computer Architecture (Profs. Dan Garcia, Borivoje Nikolic)
- Summer 2018 CS61B: Data Structures (Prof. Joshua Hug)
- Spring 2018 CS61B: Data Structures (Prof. Joshua Hug)
- Fall 2017 CS61A: Structure and Interpretation of Computer Programs (Profs. John DeNero, Paul Hilfinger)

Mentoring

- 2022–2024 Anne Li (undergraduate, Stanford → journalist at The Markup); co-authored two top-tier papers [1, 3]
- 2023 Seonghee Lee (→ M.S. student, Stanford)
- 2022 Britney Tran (→ M.S. student, Stanford)
- 2022 Jaylene Martinez (→ Software Engineer, Microsoft)

Service

- 2024 **Reviewer**, *ACM Computer-Supported Cooperative Work and Social Computing (CSCW)*
- 2024 **Reviewer**, *International Conference on Web and Social Media (ICWSM)*
- 2023 **Program Committee**, *IEEE Workshop on Security for Harassment Online, Protections, and Empowerment (SecHOPE)*
- 2023 **Reviewer**, *International Conference on Web and Social Media (ICWSM)*
- 2023 **Reviewer**, *Designing Interactive Systems (DIS)*

Outreach

- 2020–2023 **Reviewer**, *Stanford Student-Applicant Support Program*
Assists diversity students by providing early feedback on their applications to the Stanford CS PhD program.
- 2021 **Mentor**, *Stanford Computer Science Undergraduate Mentoring Program*
Aims to increase the participation of women and underrepresented minorities in computer science.
- 2022–2024 **CURIS Mentor**, *Stanford University*
Stanford Computer Science department's undergraduate research program.

References

Zakir Durumeric, *Assistant Professor of Computer Science*, Stanford University

Jeffrey T. Hancock, *Professor of Communication; Director of Stanford Social Media Lab*, Stanford University

Deepak Kumar, *Assistant Professor of Computer Science*, University of California San Diego

Serge Egelman, *Research Director of the Usable Security & Privacy Group*, International Computer Science Institute