

# CHRIS GEENG

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**Postdoctoral Scholar** at New York University, Tandon School of Engineering

Advised by Damon McCoy

## Education

**Ph.D. in Computer Science at University of Washington, completed 2023**

Advised by Franziska Roesner

MPS in Information Science, Cornell University, May 2017. GPA: 3.8

B.S. in Information Science, Cornell University, May 2016. GPA: 3.5

Fine Arts Minor, Game Design Minor – Cornell University

## Research Interests

I conduct qualitative and mixed-methods research to determine user needs around digital security and privacy, and to understand how power relations reflect on digital safety, whether through constraining user choices or making certain groups more vulnerable. Combining methods and approaches from computer *security and privacy* and *human-computer interaction*, I have studied security and power related to smart homes, interpersonal relationships, misinformation, and online harassment to determine design, policy, and education recommendations for improving user safety.

## Current Research

PI: Damon McCoy (New York University)

### **Online harassment and security/privacy/safety advice (2022-)**

Evaluating efficacy of online harassment training workshops.

Studying how online harassment experts develop and deploy harassment training for journalists.

Analyzed Kiwi Farms, a forum where users coordinate networked harassment.

Studied where and how U.S. LGBTQ+ folks learn security advice, and how effective it is.

### **Security concerns and mitigations around relationships and intimate messages (2020-)**

Studying how and why people use vault apps and hidden album tools.

Conducted a mixed-methods survey on people's security and privacy concerns around sexting and their technical and non-technical mitigation strategies.

### **Misinformation on social media (2020-)**

Studying effect of propaganda labels on user engagement for social media posts.

Studying how Black and Brown communities correct misinformation in family/friend group chats.

Conducted a talk-aloud walkthrough study of user's social media feeds containing misinformation.

### **Online ad transparency (2022-)**

Studying the usability of social media ad transparency tools in terms of user understanding and control over their data.

Interviewed ad transparency journalists on their design needs for an ad transparency tool.

## Publications

*Asterisk denotes an undergraduate author.*

### **1. " Like Lesbians Walking the Perimeter": Experiences of US LGBTQ+ Folks With Online Security, Safety, and Privacy Advice**

**Christine Geeng**, Mike Harris\*, Elissa Redmiles, Franz Roesner  
31st USENIX Security Symposium (USENIX Security 22), 305-322

### **2. Usable Sexurity: Studying People's Concerns and Strategies When Sexting**

**Christine Geeng**, Jevan Hutson, Franz Roesner | 16th Symposium on Usable Privacy and Security (SOUPS), August 2020.

### **3. Fake News on Facebook and Twitter: Investigating How People (Don't) Investigate**

**Christine Geeng**, Savanna Yee\*, Franz Roesner | Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (24% acceptance rate)

### **4. Who's In Control?: Interactions in multi-user smart homes**

**Christine Geeng**, Franz Roesner | Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (24% acceptance rate)

## **Select Workshops and Articles**

### **5. Social Media COVID-19 Misinformation Interventions Viewed Positively, But Have Limited Impact**

**Christine Geeng**, Tiona Francisco\*, Jevin West, Franz Roesner. 2020. On Arxiv.

### **6. EGregor: An Eldritch Privacy Mental Model For Smart Assistants**

**Christine Geeng**, Anonymous Author | Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems

### **7. X Interactions Article: Moving beyond 'one-size fits all': Research Considerations for Working with Vulnerable Populations**

Ashley Marie Walker, Yaxing Yao, **Christine Geeng**, Roberto Hoyle, and Pamela Wisniewski. IX Interactions Article 2019.

### **8. LGBTQ Privacy Concerns on Social Media**

**Christine Geeng**, Alexis Hiniker. CHI 2018 Workshop Exploring Individual Differences in Privacy.

## **Mentorship Experience**

Savannah Yee (University of Washington **Undergraduate** 2020) -> Facebook  
Mike Harris (University of Washington **Undergraduate** 2022) -> Cyborg Mobile  
Natalie Chen - Northeastern University **Undergraduate**, summer REU intern  
Rafael Martinez - NYU Tandon **PhD**

## **Teaching Experience**

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**Co-instructed 1 course (combined under/graduate), TAed 5 courses (4 undergraduate, 1 graduate)**

**Co-Instructor with Prof. Rachel Greenstadt – Security and Human Behavior, Fall 2023**

New York University

Lecture, facilitate discussion, develop and grade exams, provide office hours, and organize staff meetings. Undergraduate and graduate class.

**Guest Lecturer – Graduate Security Analytics, Spring 2023**

New York University, taught by Prof. Damon McCoy

Helped develop syllabus, created presentation on qualitative methods, and gave a guest lecture on Privacy and Web Tracking.

**Teaching Assistant - Introduction to HCI, Fall 2021**

University of Washington, taught by Prof. Amy Zhang

Taught sections and guided and graded undergraduate student projects on user research, design research, and prototyping. Guest lectured on Ethics and HCI.

**Teaching Assistant - Graduate Computer Security, Fall 2020**

University of Washington, taught by Prof. David Kohlbrenner

Guided and graded research design on student usable security projects.

**Teaching Assistant - Undergraduate Computer Security, Spring 2019**

University of Washington, taught by Prof. Franziska Roesner

Taught sections on software, web, and general computer security topics. Graded assignments.

**Teaching Assistant - Intro to Rapid Prototyping, Fall 2016**

Cornell University, taught by Prof. Francois Guimbretiere

Assisted undergraduate students with prototyping projects using microcontrollers, electronics, 3D printing, and laser-cutting. Graded projects.

**Teaching Assistant - Intro to Game Design Spring 2015**

Cornell University, taught by Prof. Walker White

Assisted undergraduate students with game asset and visual design development for video game projects.

## Service

**IEEE Security & Privacy Program Committee Member, 2023**

Reviewed papers submissions for 2023 Oakland.

**UW CSE Pre-Application Mentor (PAMS), November 2021**

Read and provided feedback on graduate school application materials from mentees, focusing on applicants from underrepresented communities.

**DUB Student Activity Organizer, 2019-2021**

Two-year post where I organized volunteers to run social and research activities for the interdisciplinary DUB group at UW, such as student retreats, conference paper and job packet swaps, doctoral

colloquiums, community mixers, etc., across departments including Computer Science, Information Science, and Human-Centered Design and Engineering.

**Queer in AI Graduate School Application Reader, November 2021**

Read and provided feedback on application materials for a queer computer scientist applying to PhD programs.

**Visit Days LGBTQ+ Reception Coordinator, March 2021 and March 2018**

Organized LGBTQ+ socials for prospective graduate students at UW.

**Panelist for ACM-W Women in Research Panel at UW CSE, March 2021**

Presented and answered questions about my own research experiences to undergraduate students.

**Anti-Racism Proposal Writer, Fall 2020**

Wrote a faculty recruitment improvement proposal, tied with a student-wide effort for anti-racism within UW CSE.

**Conference Paper Reviewer, 2019-2023**

Reviewed papers for CSCW 2023, CHI 2020-2021, CSCW 2020-2021, PoPETS 2022.

**Visit Days Chair, 2019**

Managed volunteers for running Visit Days for prospective graduate students at UW.

**PhD Applications Reader, December 2018, December 2021.**

Read and assessed PhD student applications to UW CSE.

**DUB Retreat Activity Organizer, July 2018 – Oct 2018**

Interdisciplinary Design, Use, Build group at University of Washington (UW).

**UW Q Center Queer Mentor, Fall 2018**

Mentored a queer undergraduate and provided support around identity and life in general.

## Industry Experience

**Facebook UX Research Intern, Community Integrity Team, Summer 2020**

Conducted a literature review on technological harms to marginalized groups. Conducted a content analysis on content violating Facebook's Terms of Service.

**Fidelity Investments, User Experience Design Intern, Summer 2015**

Managed Jersey City intern group for the website and coordinated with the creative director and other intern teams.

Assisted various financial product teams with content and interface ideation.

## Awards and Acknowledgements

### **CSST Summer Institute Attendee, July 2021**

Consortium for the Science of Sociotechnical Systems

### **Rising Stars 2020 Attendee at Berkeley, November 2020**

Academic Career Workshop for Women in EECS

### **Computer Science & Engineering Research Fellowship, Sept 2017 - Jun 2018**

Paul G. Allen School of Computer Science & Engineering

### **USENIX Security '17 Student Grant, August 2017**

26<sup>th</sup> USENIX Security Symposium

## **Skills**

### **Programming Languages**

- Proficient in Python, JavaScript
- Familiar with C

### **Social Science Methods**

- Expert in interviews, diary studies, think-aloud sessions, and semantic thematic analysis
- Proficient in surveys and mixed-methods

### **Design**

- Expert in UX research
- Proficient in UX design
- Familiar with game design