

Miranda Wei

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APPOINTMENTS

École Polytechnique Fédérale de Lausanne (EPFL) <i>Assistant Professor (Tenure-Track)</i>	2026– <i>Lausanne, Switzerland</i>
Princeton University, Center for Information Technology Policy (CITP) <i>Postdoctoral Researcher with Prof. Jonathan Mayer</i>	2025–2026 <i>Princeton, NJ, USA</i>
University of Washington <i>Graduate Research Assistant with Profs. Tadayoshi Kohno and Franziska Roesner</i>	2019–2025 <i>Seattle, WA, USA</i>
Google <i>Research Intern, Student Researcher with Drs. Kurt Thomas and Sunny Consolvo</i>	2023–2024 <i>Remote</i>
Google <i>Research Intern with Drs. Kurt Thomas and Sunny Consolvo</i>	2022 <i>Sunnyvale, CA, USA</i>
University of Maryland <i>Researcher with Prof. Michelle Mazurek</i>	2018–2019 <i>College Park, MD, USA</i>
University of Chicago SUPERgroup <i>Researcher with Prof. Blase Ur</i>	2017–2019 <i>Chicago, IL, USA</i>
Chicago Project on Security and Threats (CPOST) <i>Analyst; Supervisor; Deputy Research Director with Prof. Robert Pape</i>	2015–2017 <i>Chicago, IL, USA</i>
London School of Economics <i>Researcher with Prof. Julia Gray</i>	2015–2016 <i>London, UK</i>

EDUCATION

University of Washington Ph.D., Paul G. Allen School of Computer Science & Engineering Dissertation: “Against Online Abuse and Toward Sociotechnical Security & Privacy” Advisors: Profs. Tadayoshi Kohno and Franziska Roesner	September 2019–June 2025
University of Chicago B.A. with Honors in Political Science, Minor in Computer Science Overall GPA: 3.83 (4.0 highest) Thesis: “ISIS Anashid and the Logic of Imagined Communities,” received departmental honors	September 2013–June 2017
London School of Economics General Course (Direct Enrollment, Study Abroad Program) Coursework in International Law, International Relations, Foreign Policy Analysis	September 2015–June 2016

HONORS AND AWARDS

- CHI 2025: Honorable Mention for Best Paper, “We’re utterly ill-prepared to deal with something like this”: Teachers’ Perspectives on Student Generation of Synthetic Nonconsensual Explicit Imagery
- 2025 Schmidt Science Fellows Finalist

- 2024 John Karat Award Usable Privacy and Security Student Research Award, *annually awarded to top 1-2 graduate students in usable privacy and security*
- PETS 2024: Outstanding Reviewer
- USENIX 2023: Distinguished Paper Award, “A Two-Decade Retrospective Analysis of a University’s Vulnerability...”
- IMC 2021: Runner-Up for Best Paper, “Polls, Clickbait, and Commemorative...”
- NSF GRFP 2021 Honorable Mention
- CHI 2020: Honorable Mention for Best Paper, “Taking Data Out of Context to Hyper-Personalize Ads...”
- SOUPS 2019: Distinguished Poster Award, “What was that site doing with my Facebook password ...”
- Dean’s List, *GPA above 3.25, ineligible during study abroad*, UChicago, 2013–2015, 2016–2017

PEER-REVIEWED CONFERENCE AND WORKSHOP PUBLICATIONS

2025

Towards Anti-Imperialist Security, Privacy, and Safety Research in HCI

Miranda Wei, Matthias Fassl.

New Security Paradigms Workshop (NSPW), Aerzen, Germany, August 2025.

“TikTok, Do Your Thing”: User Reactions to Social Surveillance in the Public Sphere

Meira Gilbert, Miranda Wei, Lindah Kotut.

Symposium on Usable Privacy and Security (SOUPS), Seattle, USA, August 2025.

“We’re utterly ill-prepared to deal with something like this”: Teachers’ Perspectives on Student Generation of Synthetic Nonconsensual Explicit Imagery

Miranda Wei, Christina Yeung, Franziska Roesner, Tadayoshi Kohno.

ACM SIGCHI Conference on Human Factors in Computing Systems (CHI), Yokohama, Japan, April 2025.

Honorable Mention for Best Paper (Top 5%).

2024

Understanding Help-Seeking and Help-Giving on Social Media for Image-Based Sexual Abuse

Miranda Wei, Sunny Consolvo, Patrick Gage Kelley, Tadayoshi Kohno, Tara Matthews, Sarah Meiklejohn, Franziska Roesner, Renee Shelby, Kurt Thomas, Rebecca Umbach.

USENIX Security, Philadelphia, USA, August 2024.

SoK or So(L)K? On the Quantitative Study of Sociodemographic Factors and Computer Security Behaviors

Miranda Wei, Jaron Mink, Yael Eiger, Tadayoshi Kohno, Elissa Redmiles, Franziska Roesner.

USENIX Security, Philadelphia, USA, August 2024.

“Violation of my body:” Perceptions of AI-generated non-consensual (intimate) imagery

Grace Brigham, Miranda Wei, Tadayoshi Kohno, Elissa M. Redmiles.

Symposium on Usable Privacy and Security (SOUPS), Philadelphia, USA, August 2024.

Sharenting on TikTok: Exploring Parental Sharing Behaviors and the Discourse Around Children’s Online Privacy

Sophie Stephenson, Christopher Nathaniel Page, Miranda Wei, Apu Kapadia, Franziska Roesner.

ACM SIGCHI Conference on Human Factors in Computing Systems (CHI), Honolulu, USA, May 2024.

It's Trying Too Hard To Look Real: Deepfake Moderation Mistakes and Identity-Based Bias

Jaron Mink, Miranda Wei, Collins W. Munyendo, Kurt Hugenberg, Tadayoshi Kohno, Elissa M. Redmiles, Gang Wang.

ACM SIGCHI Conference on Human Factors in Computing Systems (CHI), Honolulu, USA, May 2024.

2023

A Two-Decade Retrospective Analysis of a University's Vulnerability to Attacks Exploiting Reused Passwords

Alexandra Nisenoff, Maximilian Golla, Miranda Wei, Juliette Hainline, Hayley Szymanek, Annika Braun, Annika Hildebrandt, Blair Christensen, David Langenberg, Blase Ur.

USENIX Security, Anaheim, USA, August 2023.

Distinguished Paper Award.

Skilled or Gullible? Gender Stereotypes Related to Computer Security and Privacy

Miranda Wei, Pardis Emami-Naeini, Franziska Roesner, Tadayoshi Kohno.

IEEE Symposium on Security and Privacy (S&P), San Francisco, USA, May 2023.

"There's so much responsibility on users right now:" Expert Advice for Staying Safer From Hate and Harassment

Miranda Wei, Sunny Consolvo, Patrick Gage Kelley, Tadayoshi Kohno, Franziska Roesner, Kurt Thomas.

ACM SIGCHI Conference on Human Factors in Computing Systems (CHI), Hamburg, Germany, April 2023.

2022

Anti-Privacy and Anti-Security Advice on TikTok: Case Studies of Technology-Enabled Surveillance and Control in Intimate Partner and Parent-Child Relationships

Miranda Wei, Eric Zeng, Tadayoshi Kohno, Franziska Roesner.

Symposium on Usable Privacy and Security (SOUPS), Boston, USA, August 2022.

2021

Polls, Clickbait, and Commemorative \$2 Bills: Problematic Political Advertising on News and Media Websites Around the 2020 U.S. Elections

Eric Zeng, Miranda Wei, Theo Gregersen, Tadayoshi Kohno, and Franziska Roesner. *ACM Internet Measurement Conference (IMC)*, Online, Nov. 2021.

Runner-Up for Best Paper.

On the Limited Impact of Visualizing Encryption: Perceptions of E2E Messaging Security

Christian Stransky, Dominik Wermke, Johanna Schrader, Nicolas Huaman, Yasemin Acar, Anna Lena Fehlhaber, Miranda Wei, Blase Ur, Sascha Fahl.

Symposium on Usable Privacy and Security (SOUPS), Online, August 2021.

2020

What Twitter Knows: Characterizing Ad Targeting Practices, User Perceptions, and Ad Explanations Through Users' Own Twitter Data

Miranda Wei, Madison Stamos, Sophie Veys, Nathan Reitinger, Justin Goodman, Margot Herman, Dorota Filipczuk, Ben Weinshel, Michelle L. Mazurek, Blase Ur.

USENIX Security (13% acceptance rate), Online, August 2020.

Taking Data Out of Context to Hyper-Personalize Ads: Crowdworkers' Privacy Perceptions and Decisions to Disclose Private Information

Julia Hanson*, Miranda Wei*, Sophie Veys, Matthew Kugler, Lior Strahilevitz, Blase Ur. * This is a co-first authored publication.

ACM Conference on Human Factors in Computing Systems (CHI) (24% acceptance rate), April 2020.

Honorable Mention for Best Paper (Top 5%).

2019

Oh, the Places You've Been! User Reactions to Longitudinal Transparency About Third-Party Web Tracking and Inferencing

Ben Weinshel, Miranda Wei, Mainack Mondal, Euirim Choi, Shawn Shan, Claire Dolin, Michelle L. Mazurek, B. Ur.

ACM Communications and Communication Security (CCS) (16% acceptance rate), London, UK, November 2019.

2018

"What was that site doing with my Facebook password?" Designing Notifications About Password Reuse

Maximillian Golla, Miranda Wei, Juliette Hainline, Lydia Filipe, Markus Dürmuth, Elissa M. Redmiles, Blase Ur.

ACM Communications and Computer Security (CCS) (17% acceptance rate), Toronto, Canada, October 2018.

The Password Doesn't Fall Far: How Services Influence Password Choice

Miranda Wei, Maximillian Golla, Blase Ur.

Who Are You?! Adventures in Authentication Workshop (WAY), Baltimore, MD, August 2018.

Exploring User Mental Models of End-to-End Encrypted Communication Tools

Ruba Abu-Salma, Elissa M. Redmiles, Blase Ur, Miranda Wei.

Workshop on Free and Open Communications on the Internet (FOCI), Baltimore, MD, August 2018.

Your Secrets are Safe: How Browsers' Explanations Impact Misconceptions About Private Browsing Mode

Yuxi Wu, Panya Gupta, Miranda Wei, Yasemin Acar, Sascha Fahl, Blase Ur.

The Web Conference (WWW) (15% acceptance rate), Lyon, France, April 2018.

LIGHTLY-REVIEWED WORKSHOP PUBLICATIONS AND POSTERS

Styx++: Reliable Data Access and Availability Using a Hybrid Paxos and Chain Replication Protocol

Ather Sharif, Emilia F. Gan, Miranda Wei.

ACM Conference on Human Factors in Computing Systems, Late Breaking Work (CHI LBW), New Orleans, USA, Apr. 2022.

What Twitter Knows: Characterizing Ad Targeting Practices, User Perceptions, and Ad Explanations Through Users' Own Twitter Data

Miranda Wei, Madison Stamos, Sophie Veys, Nathan Reitinger, Justin Goodman, Margot Herman, Dorota Filipczuk, Ben Weinshel, Michelle L. Mazurek, Blase Ur.

FTC PrivacyCon, Online, July 2021.

"What was that site doing with my Facebook password?" Designing Notifications About Password Reuse

Miranda Wei, Maximillian Golla, Juliette Hainline, Lydia Filipe, Markus Dürmuth, Elissa M. Redmiles, Blase Ur.

Fifteenth Symposium on Usable Privacy and Security (SOUPS 2019), Santa Clara, CA, 2019.
Distinguished Poster Award.

OTHER PUBLICATIONS

- ISIS Campaign Propaganda Profile. *CPOST Report for the Department of Defense*. September 2016.
- “Eradicating suicide terrorism in Pakistan.” *Chicago Tribune*. October 30, 2015. (co-written with Robert Pape)
- Spectacular Attack Profiles of AQI, Pakistani Taliban. *CPOST Report for the Carnegie Corporation*. September 2015.
- “Getting ISIS Out of Iraq.” *The New York Times*. April 20, 2015. (co-written with Robert Pape)

FELLOWSHIPS AND GRANTS

Fellowships:

- Google PhD Fellowship, 2023–2025
- UW College of Engineering Dean’s Fellowship, 2019–2020
- UChicago College Research Fellow, 2016–2017

Conference Grants:

- Student Grant to USENIX Security, August 2024
- Scholarship to Grace Hopper Conference, September 2022
- Student Grant to USENIX SOUPS, August 2022
- Scholarship to Grad Cohort Workshop, April 2021, April 2022
- Diversity Grant to USENIX Security, August 2020
- Scholarship to SecHuman Summer School at Ruhr University Bochum (RUB), June 2019
- Scholarship to SecHuman Summer School at Ruhr University Bochum (RUB), September 2018
- Ford Foundation Stipend to Privacy Enhancing Technologies Symposium (PETS), July 2018
- Student Scholarship to Women in Cybersecurity (WiCyS), March 2018
- Diversity Grant to USENIX Enigma, January 2018
- NSF Student Grant to USENIX SOUPS, June 2017

TEACHING EXPERIENCE

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|---|-------------|
| Teaching Assistant , University of Washington
<i>CSE 481S: Computer Security Capstone</i> | Spring 2024 |
| Teaching Assistant , University of Washington
<i>CSE 484: Computer Security and Privacy</i> | Winter 2022 |

INVITED TALKS AND SPEAKING

- Commission Nationale de l’Informatique et des Libertés (CNIL, France’s data protection authority), 6/2025, Paris, France: “We’re utterly ill-prepared to deal with something like this’: Teachers’ Perspectives on Student Generation of Synthetic Nonconsensual Explicit Imagery.”
- Georgia Institute of Technology, 4/2025, Atlanta, USA.

- Pennsylvania State University, 3/2025, State College, USA.
- University of California, Berkeley, 3/2025, Berkeley, USA.
- École Polytechnique Fédérale de Lausanne (EPFL), 3/2025, Lausanne, Switzerland.
- CISPA Helmholtz Center for Information Security, 3/2025, Saarbrücken, Germany.
- University of Wisconsin-Madison, 3/2025, Madison, USA.
- University of Toronto, 3/2025, Toronto, Canada.
- National University of Singapore (NUS), 2/2025, Singapore.
- Hong Kong University of Science and Technology (HKUST), 2/2025, Hong Kong.
- Graz University of Technology (TU Graz), 2/2025, Graz, Austria.
- Max Planck Institute for Software Systems (MPI-SWS), 2/2025, Kaiserslautern, Germany.
- Commission Nationale de l'Informatique et des Libertés (CNIL, France's data protection authority), 6/2024, Paris, France: "Understanding Help-Seeking & Help-Giving on Social Media for Image-Based Sexual Abuse."
- UW CSE 564 Graduate Computer Security, 3/2024, Seattle, USA: "(Anti-)Security Advice in Online Abuse Contexts."
- UW CSE How to PhD Seminar, 2/2024, Seattle, USA: Panelist on "Getting the Most out of Your Advising Relationship."
- Google's CS Research Mentorship Program, 11/2023, Online: "CSRMP gStudent Experience Panel." *As an invited speaker for the 2023b class of CSRMP, a program dedicated to supporting students from historically marginalized groups in their pursuit of computing research careers, I delivered a talk titled "My gStudent Experience" to a cohort of 209 participants. My talk aimed to equip students with actionable knowledge about research opportunities available at Google, empowering them to navigate their research interests and align them with potential career pathways.*
- Berkeley Security Seminar, 11/2023, Online: "(Anti-)Security Advice in Online Abuse Contexts."
- Sparkling Science Seminar, 5/2023, Bochum, Germany: "(Anti-)Security Advice in Online Abuse Contexts."
- BAIR Recsys Reading Group, 4/2023, Berkeley, USA: "What Twitter Knows: Characterizing Ad Targeting Practices, User Perceptions, and Ad Explanations Through Users' Own Twitter Data."
- TO3 Group Lab Meeting, 4/2023, Berkeley, USA: "(Anti-)Security Advice in Online Abuse Contexts."
- U.S. Department of State International Visitor Leadership Program: Current U.S. Social, Political, and Economic Issues for Young European Leaders, 2/2023, Seattle, USA: "Anti-Privacy and Anti-Security Advice on TikTok: Case Studies of Technology-Enabled Surveillance and Control in Intimate Partner and Parent-Child Relationships."
- UW Tech Policy Lab, 11/2022, Seattle, USA: "Anti-Privacy and Anti-Security Advice on TikTok: Case Studies of Technology-Enabled Surveillance and Control in Intimate Partner and Parent-Child Relationships."
- Stanford Security Lunch, 1/2022, Online: "Polls, Clickbait, and Commemorative \$2 Bills: Problematic Political Advertising on News and Media Websites Around the 2020 U.S. Elections."
- MIT CSAIL Security Seminar, 9/2020, Online: "What Twitter Knows: Characterizing Ad Targeting Practices, User Perceptions, and Ad Explanations Through Users' Own Twitter Data."

- UChicago HCI Club, 7/2020, Online: “What Twitter Knows: Characterizing Ad Targeting Practices, User Perceptions, and Ad Explanations Through Users’ Own Twitter Data.”
- DUB Seminar, 5/2020, Online: “Taking Data Out of Context to Hyper-Personalize Ads: Crowdworkers’ Privacy Perceptions and Decisions to Disclose Private Information.”
- Mozilla, 4/2020, Online: “Oh, the Places You’ve Been! User Reactions to Longitudinal Transparency About Third-Party Web Tracking and Inferencing.”
- Brave, 2/2020, Online: “Oh, the Places You’ve Been! User Reactions to Longitudinal Transparency About Third-Party Web Tracking and Inferencing.”
- UChicago Psychology and Law Studies Lab (PALS), 1/2020, Chicago & Online: “Taking Data Out of Context to Hyper-Personalize Ads: Crowdworkers’ Privacy Perceptions and Decisions to Disclose Private Information.”
- PasswordsCon, 11/2018, Stockholm, Sweden: “Everything but the User: Reducing Password Reuse.”
- W3C PING, 9/2018, Online: “Your Secrets are Safe: How Browsers’ Explanations Impact Misconceptions About Private Browsing Mode.”

MEDIA COVERAGE

- Allen School News, August 26, 2024. Looking into places others are not: Allen School’s Miranda Wei receives 2024 Karat Award for contributions to usable security and privacy. <https://news.cs.washington.edu/2024/08/26/looking-into-places-others-are-not-allen-schools-miranda-wei-receives-2024-karat-award-for-contributions-to-usable-security-and-privacy/>
- UW News, August 8, 2024. Many survey respondents rated seeking out sexually explicit ‘deepfakes’ as more acceptable than creating or sharing them. <https://www.washington.edu/news/2024/08/08/sexually-explicit-deepfakes-synthetic-media-public-opinion/>
- Securing Bits, November 1, 2023. Gender Stereotypes in Security and Privacy. <https://securingbits.com/gender-stereotypes-in-security-and-privacy>
- CNET, August 14, 2018. Why you need a better handle on the WhatsApp, Signal and Telegram apps. <https://www.cnet.com/news/you-might-not-really-understand-how-encrypted-messaging-apps-work/>
- Consumer Reports, June 19, 2018. What Your Web Browser’s Incognito Mode Really Does. <https://www.consumerreports.org/internet/incognito-mode-web-browser-what-it-really-does/>
- Science News for Students, June 6, 2018. Incognito browsing is not as private as most people think. <https://www.sciencenewsforstudents.org/article/incognito-browsing-not-private-most-people-think>
- Unocero, May 6, 2018. ¿Qué tan realmente privada es tu ‘navegación privada’? <https://www.unocero.com/como-se-hace/que-tan-realmente-privada-es-tu-navegacion-privada/>
- IFL Science!, April 26, 2018. If You Use Your Web Browser’s Incognito Mode We’ve Got Bad News. <https://www.iflscience.com/technology/if-you-use-your-web-browsers-incognito-mode-weve-got-bad-news-/>
- Indy 100 from the Independent, April 25, 2018. Turns out ‘Incognito mode’ is not as incognito as you might think. <https://www.indy100.com/article/incognito-mode-might-not-be-as-incognito-as-you-think-8321916>

- Metro, April 25, 2018. You're completely wrong about what 'Incognito mode' does when you're watching porn. <https://metro.co.uk/2018/04/25/completely-wrong-incognito-mode-watching-porn-7496259/>
- Mental Floss, April 25, 2018. Why Browsing in Incognito Mode Isn't as Private as You Think. <https://www.mentalfloss.com/article/541658/why-browsing-incognito-mode-isnt-private-you-think>
- Science News, April 24, 2018. Private web browsing doesn't mean no one is watching. <https://www.sciencenews.org/article/internet-privacy-incognito-web-browsing>
- The Register, April 24, 2018. Oh dear... Netizens think 'private' browsing really means totally private. https://www.theregister.com/2018/04/24/private_web_browsing_study/

CONTRIBUTIONS TO PUBLIC POLICY

- Response to NIST RFI: 88 FR 88368, February 2, 2024. Massive Data Institute at the McCourt School of Public Policy, Georgetown University. [https://www.nist.gov/system/files/documents/2024/02/15/ID017%20-%202024-02-02%2C%20Massive%20Data%20Institute%20\(Georgetown\)%2C%20Comment%20on%20AI%20EO%20RFI_0.pdf](https://www.nist.gov/system/files/documents/2024/02/15/ID017%20-%202024-02-02%2C%20Massive%20Data%20Institute%20(Georgetown)%2C%20Comment%20on%20AI%20EO%20RFI_0.pdf)
- Comments to the Federal Trade Commission re: Commercial Surveillance ANPR, R111004, November 21, 2022. University of Washington Privacy and Security Researchers. https://downloads.regulations.gov/FTC-2022-0053-1030/attachment_1.pdf

SERVICE

Workshop Organization

2025, SOUPS. *Gender, Online Safety, and Sexuality (GOSS) Workshop*.
 2025, ACM CSCW. *Co-Constructing the Future of Digital Intimacy*.
 2025, ACM CSCW. *Reflexivity and Reflection (R&R) for Sociotechnical Safety*.
 2024, SOUPS. *Gender, Online Safety, and Sexuality (GOSS) Workshop*.

Reviewing

Program Committee

- CHI 2026
- ConPro 2024
- PoPETS 2024 (Outstanding Reviewer)
- SecHOPE 2023
- SOUPS Poster Jury 2020, 2022
- WAY 2021

Guest Editor

- IEEE Security & Privacy Magazine 2025 Special Issue on Gender and Sexuality in Online Safety

External Reviewer

- CHI 2022, 2023, 2024, 2025
- PoPETS 2022, 2023, 2025
- IEEE S&P Magazine 2024

- USENIX Security 2024 (sub-reviewer)
- IEEE Security & Privacy Magazine 2023 (sub-reviewer)
- CHI LBW 2020
- CSCW 2020, 2023

UW Community Leadership

2020-2025, Pre-Application Mentorship Service (PAMS) Co-Founder/Co-Organizer/Mentor
 2021-2025, UW PhD Application Reviewer (area chair in 2022, 2023)
 2022-2024, Tech Policy Discussion (with Tech Policy Lab) Co-Organizer
 2021-2024, DUB (grassroots cross-departmental alliance) Student Coordinator
 2024, para.CHI.DUB Volunteer Coordinator
 2023-2024, Diverse Genders in Research Co-Coordinator
 2019-2023, Care Basket Chair for Care Committee (graduate student organization)
 2022-2023, New Grad (First-Year PhD) Mentor
 2020, CSE New Grad Orientation Co-Organizer
 2020, DUB Doctoral Colloquium Co-Coordinator

Conference Organization

2020, EuroUSEC Publicity Co-Chair
 2020, SOUPS Session Chair Student Volunteer

Other:

- Prospective graduate student advising (emails, 1-1 meetings, application feedback): 6 in 2024, 7 in 2023, 15 in 2022, 10 in 2021, 5 in 2020

ADDITIONAL EXPERTISE AND SKILLS

Languages	English (native), French (intermediate), Chinese (intermediate), Russian (beginner), German (beginner)
Programming	Python, R (tidyverse)
Applications	L ^A T _E X, Qualtrics, Photoshop, Atlas.ti