Patrick Gage Kelley

HCI, privacy & safety researcher

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My research is of humans interacting with technology (the internet, AI). Most often I'm interested in questions of safety and privacy, which require technical knowledge of the systems, interpretation of varied human behaviors, and the policy, legal, and societal contexts these interactions happen within. This interdisciplinary work most often lands within Human-Computer Interaction (HCI) and Security & Privacy (S&P) academic venues—with implications for the tech industry and policy-making.

11,000+ research citations · h-index 43 · Google Scholar · DBLP

APPOINTMENTS

2016–26 **Google**

2021–26 Research Lead, Trust & Safety, AI Research & Standards

Staff Researcher — Across five years in T&S, I led research strategy, managing external research investment and leading research projects. Projects included specific online harms projects (security advice, hate & harassment, etc.); AI safety; and research forecasting how AI is reshaping online safety harms.

2019–21 Counter-Abuse Team, Security Research

Continued work on supporting at-risk user communities, protecting the security and privacy of US political-campaign workers and YouTube creators. Product impact with password breach notifications. Broad public opinion work on privacy, AI attitudes, and misinformation.

2016–19 Privacy UX Research

Led UXR for Google's GDPR Privacy Policy update, managed cross-Google Privacy UX consulting on our consumer products, worked with the at-risk users research team, and became the cross-UXR lead for privacy and legal guidance on research data collection and retention.

2012–16 **University of New Mexico**

Assistant Professor, tenure-track, of Computer Science, School of Engineering

Director, EXIT Studio — an education, explainability, and interface-design group at UNM

Affiliate faculty: Organizations, Information & Learning Sciences (OILS); ARTS Lab

Earlier experience on page 20

EDUCATION

2013 **Ph.D., Computation, Organizations & Society, Carnegie Mellon University**
Thesis: *Designing Privacy Notices: Supporting User Understanding and Control*
Co-advisors: Lorrie Faith Cranor and Norman Sadeh
Committee: Alessandro Acquisti and Sunny Consolvo

2010 **M.S., Computation, Organizations & Society, Carnegie Mellon University**

2006 **B.S., Computer Engineering, Rochester Institute of Technology**

2006 **B.S., Creative Writing and Literature, Rochester Institute of Technology**

HONORS & AWARDS

2025 **Test of Time Award, Symposium on Usable Security and Privacy (USEC)**
for "A Conundrum of Permissions: Installing Applications on an Android Smartphone" (2012)

2023 **Test of Time Award, 44th IEEE Symposium on Security and Privacy**
for "Guess Again (and Again and Again): Measuring Password Strength by Simulating Password-Cracking Algorithms" (2012)

2023 **Best Paper Honorable Mention, ACM CHI**
for "Practicing Information Sensibility: How Gen Z Engages with Online Information"

2021 **Distinguished Paper Award, USENIX Security**
for "Why wouldn't someone think of democracy as a target?": Security Practices & Challenges of People Involved with U.S. Political Campaigns

2016 **School of Engineering Junior Faculty Teaching Award, University of New Mexico**

2015–16 **UNM Teaching Fellow**

2014 **Google Faculty Research Award**

2014 **Third Place, ONC Digital Privacy Notice Challenge**
for "Digital Privacy Notice Generator", May 2014

2011 **Best Paper Honorable Mention, ACM CHI**
for "Of Passwords and People: Measuring the Effect of Password-Composition Policies"

2011 **Honorable Mention, Best Student Paper, INTERACT**
for "An Investigation into Facebook Friend Grouping"

2010 **Privacy Papers for Policy Makers, Future of Privacy Forum**
for "Standardizing Privacy Notices: An Online Study of the Nutrition Label Approach"

2010 **1st Place, Graduate Research, ACM Student Research Competition Grand Finals**
for "A 'Nutrition Label' for Privacy"

2009 **1st Place, Graduate Research, ACM SIGCHI Student Research Competition**
for "Designing a Privacy Label: Assisting Consumer Understanding of Online Privacy Practices"

2009 **Honorable Mention, NYU-Poly Cyber Security Awareness Week Research Competition**
for "Designing a Privacy Label"

2008 **Honorary Award, IEEE InfoVis Contest**
for "Mitsubishi Electric Research Lab Sensor Exploration", with Danny Rashid

2002–06 **Honors Scholarship, Presidential Scholarship, and Nathaniel Rochester Scholar, Rochester Institute of Technology**

FUNDING

2015 **Planning, Collaborative Guidance and Navigation in Uncertain Dynamic Environments**
National Science Foundation, National Robotics Initiative. PI: Lydia Tapia; Co-PIs: Meeko Oishi, Patrick Gage Kelley. $999,998, August 2015

2015 **UNM Teaching Fellow**
For development of interactive case studies for teaching undergraduate technology ethics. PI: Patrick Gage Kelley. $2,000, August 2015

2014 **Google Faculty Research Award: Understanding Privacy in Medical Mobile Apps**
Google, Inc., unrestricted gift. PI: Patrick Gage Kelley. $38,746, October 2014

2014 **EAGER: Privacy's Sociocultural Divide across American Youth**
National Science Foundation. PI: Patrick Gage Kelley; Co-PI: Myra Washington. $242,832, October 2014

AWARD ADMINISTRATION

2023–26 **Google Academic Research Awards (GARA), Trust & Safety**
Across three years of dedicated funding programs led and managed the funding of 76 academic awards for over 7.5 million dollars to researchers working at the intersection of HCI and Trust & Safety, Privacy, or Security.

2019–23 **Google Faculty Research Awards, PhD Fellowships**
Supported Google's annual award programs, reviewing for Privacy, Security, and Human-Computer Interaction programs

PUBLICATIONS

Conference & Journal Papers

peer-reviewed, archival publications

2027 C61 Kurt Thomas, Sai Teja Peddinti, Sarah Meiklejohn, Tara Matthews, Amelia Hassoun, Animesh Srivastava, Jessica McClearn, **Patrick Gage Kelley**, Sunny Consolvo, Nina Taft. **Understanding Help Seeking for Digital Privacy, Safety, and Security**. *Proceedings on Privacy Enhancing Technologies (PoPETs), Vol. 2027*. *To appear*

2026 C59 Sarah Meiklejohn, Sunny Consolvo, **Patrick Gage Kelley**, Tara Matthews, Sai Teja Peddinti, Renee Shelby, Lenin Simicich, Kurt Thomas. **HelpBench: Assessing the Ability of LLMs to Provide Privacy, Safety, and Security Advice**. *Conference on Neural Information Processing Systems (NeurIPS), 2026*. *To appear*

C60 **Patrick Gage Kelley**, Derrick Feldmann, Reena Jana, Colleen Thompson-Kuhn, Allison Woodruff. **Why and How People Check Generative AI Output for Mistakes**. *Proceedings of the AAAI/ACM Conference on AI, Ethics, and Society (AIES '26), 2026*.

C58 Sharon Heung, Claire Florence Weizenegger, Mo Houtti, Sunny Consolvo, **Patrick Gage Kelley**, Tara Matthews, Renee Shelby, Kurt Thomas, Ashley Marie Walker. **Who Is At Risk? Examining the Prevalence of Digital-Safety Attacks and Contextual Risk Factors in the United States**. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '26), Barcelona, Spain, 1214:1–1214:30, 2026*.

C57 **Patrick Gage Kelley**, Steven Rousso-Schindler, Renee Shelby, Kurt Thomas, Allison Woodruff. **How Generative AI Empowers Attackers and Defenders Across the Trust & Safety Landscape**. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '26), Barcelona, Spain, 1316:1–1316:21, 2026*.

C56 Jake Chanenson, Tara Matthews, Sunny Consolvo, **Patrick Gage Kelley**, Jessica McClearn, Sarah Meiklejohn, Abhishek Roy, Renee Shelby, Kurt Thomas, Amelia Hassoun. **"It didn't feel right but I needed a job so desperately": Understanding People's Emotions and Help Needs During Scams**. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '26), Barcelona, Spain, 1312:1–1312:22, 2026*.

2025 C55 Dunstan Allison-Hope, **Patrick Gage Kelley**, Reena Jana, Angela McKay, Allison Woodruff. **Ten Insights from Other Domains That Inform Responsible AI Frameworks**. *Proceedings of the AAAI/ACM Conference on AI, Ethics, and Society (AIES '25), 8(1):104–115, 2025*.

C54 Diana Freed, Sunny Consolvo, Dan Cosley, **Patrick Gage Kelley**, Ender Ricart, Kurt Thomas, Natalie N. Bazarova. **Help-seeking and Coping Strategies for Technology-facilitated Abuse Experienced by Youth**. *Proceedings of the ACM on Human-Computer Interaction (PACM HCI), 9(2):1–25, 2025. (CSCW 2025.)*.

C53 Diana Kramer, Lambert Rosique, Ajay Narotam, Elie Bursztein, **Patrick Gage Kelley**, Kurt Thomas, Allison Woodruff. **Integrating Large Language Models into Security Incident Response**. *Proceedings of the 21st Symposium on Usable Privacy and Security (SOUPS '25), Seattle, WA, 133–148, 2025*.

C52 Alexandra Klymenko, Stephen Meisenbacher, **Patrick Gage Kelley**, Sai Teja Peddinti, Kurt Thomas, Florian Matthes. **"We are not Future-ready": Understanding AI Privacy Risks and Existing Mitigation Strategies from the Perspective of AI Developers in Europe**. *Proceedings of the 21st Symposium on Usable Privacy and Security (SOUPS '25), Seattle, WA, 113–132, 2025*.

C51 Diana Freed, Natalie N. Bazarova, Sunny Consolvo, Dan Cosley, **Patrick Gage Kelley**. **PROTECT: A Framework to Foster Digital Resilience for Youth Navigating Technology-Facilitated Abuse**. *Social Sciences, 14(6):378, 2025*.

C50 Tara Matthews, Elie Bursztein, **Patrick Gage Kelley**, Lea Kissner, Andreas Kramm, Andrew Oplinger, Andreas Schou, Manya Sleeper, Stephan Somogyi, Dalila Szostak, Kurt Thomas, Anna Turner, Jill Palzkill Woelfer, Lawrence L. You, Izzie Zahorian, Sunny Consolvo. **Supporting the Digital Safety of At-Risk Users: Lessons Learned from 9+ Years of Research and Training**. *ACM Transactions on Computer-Human Interaction (ToCHI), 32(3):22:1–22:39, 2025*.

C49 Kurt Thomas, **Patrick Gage Kelley**, David Tao, Sarah Meiklejohn, Owen Vallis, Shunwen Tan, Blaž Bratanič, Felipe Tiengo Ferreira, Vijay Kumar Eranti, Elie Bursztein. **Supporting Human Raters with the Detection of Harmful Content Using Large Language Models**. *Proceedings of the IEEE Symposium on Security and Privacy (S&P '25), 2772–2789, 2025*.

C48 Kimberly Ruth, Veronica A. Rivera, Gautam Akiwate, Aurore Fass, **Patrick Gage Kelley**, Kurt Thomas, Zakir Durumeric. **"Perfect is the Enemy of Good": The CISO's Role in Enterprise Security as a Business Enabler**. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '25), 918:1–918:19, 2025*.

C47 Amelia Hassoun, Ian Beacock, Todd Carmody, **Patrick Gage Kelley**, Beth Goldberg, Devika Kumar, Laura Murray, Rebekah Su Park, Behzad Sarmadi, Sunny Consolvo. **Beyond Digital Literacy: Building Youth Digital Resilience Through Existing "Information Sensibility" Practices**. *Social Sciences, 14(4):230, 2025. Special Issue: Promoting the Digital Resilience of Youth*.

2024 C46 Miranda Wei, Sunny Consolvo, **Patrick Gage Kelley**, Tadayoshi Kohno, Tara Matthews, Sarah Meiklejohn, Franziska Roesner, Renee Shelby, Kurt Thomas, Rebecca Umbach. **Understanding Help-Seeking and Help-Giving on Social Media for Image-Based Sexual Abuse**. *Proceedings of the 33rd USENIX Security Symposium, Philadelphia, PA, 2024*.

C45 Rosanna Bellini, Emily Tseng, Noel Warford, Alaa Daffalla, Tara Matthews, Sunny Consolvo, Jill Palzkill Woelfer, **Patrick Gage Kelley**, Michelle L. Mazurek, Dana Cuomo, Nicola Dell, Thomas Ristenpart. **SoK: Safer Digital-Safety Research Involving At-Risk Users**. *Proceedings of the IEEE Symposium on Security and Privacy (S&P '24), San Francisco, CA, 2024*.

C44 Allison Woodruff, Renee Shelby, **Patrick Gage Kelley**, Steven Rousso-Schindler, Jamila Smith-Loud, Lauren Wilcox. **How Knowledge Workers Think Generative AI Will (Not) Transform Their Industries**. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '24), 641:1–641:26, 2024*.

2023 C43 Patrawat Samermit, Anna Turner, **Patrick Gage Kelley**, Tara Matthews, Vanessia Wu, Sunny Consolvo, Kurt Thomas. **"Millions of people are watching you": Understanding the Digital-Safety Needs and Practices of Creators**. *Proceedings of the 32nd USENIX Security Symposium, Anaheim, CA, 5629–5645, 2023*.

C42 **Patrick Gage Kelley**, Celestina Cornejo, Lisa Hayes, Ellie Shuo Jin, Aaron Sedley, Kurt Thomas, Yongwei Yang, Allison Woodruff. **"There will be less privacy, of course": How and Why People in 10 Countries Expect AI Will Affect Privacy in the Future**. *Proceedings of the 19th Symposium on Usable Privacy and Security (SOUPS '23), 579–603, 2023*.

C41 Diana Freed, Natalie N. Bazarova, Sunny Consolvo, Eunice Han, **Patrick Gage Kelley**, Kurt Thomas, Dan Cosley. **Understanding Digital-Safety Experiences of Youth in the U.S.** *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '23), Hamburg, Germany, 2023*.

C40 Amelia Hassoun, Ian Beacock, Sunny Consolvo, Beth Goldberg, **Patrick Gage Kelley**, Daniel M. Russell. **Practicing Information Sensibility: How Gen Z Engages with Online Information**. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '23), 662:1–662:17, 2023*.
CHI Honorable Mention Award

C39 Miranda Wei, Sunny Consolvo, **Patrick Gage Kelley**, Tadayoshi Kohno, Franziska Roesner, Kurt Thomas. **"There's so much responsibility on users right now:" Expert Advice for Staying Safer From Hate and Harassment**. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '23), Hamburg, Germany, 2023*.

C38 Allison Woodruff, Annica Schjott Voneche, Kelly Thunstrom, Reena Jana, Rebecca L. Hardy, Derek R. Aoki, Patrick Gage Kelley. **"Discover AI in Daily Life": An AI Literacy Lesson for Middle School Students**. *Proceedings of the 54th ACM Technical Symposium on Computer Science Education (SIGCSE '23), Vol. 2, 1327, 2023*.

2022 C37 Noel Warford, Tara Matthews, Kaitlyn Yang, Omer Akgul, Sunny Consolvo, Patrick Gage Kelley, Nathan Malkin, Michelle L. Mazurek, Manya Sleeper, Kurt Thomas. **SoK: A Framework for Unifying At-Risk User Research**. *Proceedings of the IEEE Symposium on Security and Privacy (S&P '22), San Francisco, CA, 2344–2360, 2022*.

C36 Kurt Thomas, Patrick Gage Kelley, Sunny Consolvo, Patrawat Samermit, Elie Bursztein. **"It's common and a part of being a content creator": Understanding How Creators Experience and Cope With Hate and Harassment Online**. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '22), New Orleans, LA, 2022*.

2021 C35 Sunny Consolvo, Patrick Gage Kelley, Tara Matthews, Kurt Thomas, Lee Dunn, Elie Bursztein. **"Why wouldn't someone think of democracy as a target?": Security Practices & Challenges of People Involved with U.S. Political Campaigns**. *Proceedings of the 30th USENIX Security Symposium, 2021*.
USENIX Security Distinguished Paper Award

C34 Deepak Kumar, Patrick Gage Kelley, Sunny Consolvo, Joshua Mason, Elie Bursztein, Zakir Durumeric, Kurt Thomas, Michael Bailey. **Designing Toxic Content Classification for a Diversity of Perspectives**. *Proceedings of the 17th Symposium on Usable Privacy and Security (SOUPS '21), 299–318, 2021*.

C33 Kurt Thomas, Devdatta Akhawe, Michael Bailey, Dan Boneh, Elie Bursztein, Sunny Consolvo, Nicola Dell, Zakir Durumeric, Patrick Gage Kelley, Deepak Kumar, Damon McCoy, Sarah Meiklejohn, Thomas Ristenpart, Gianluca Stringhini. **SoK: Hate, Harassment, and the Changing Landscape of Online Abuse**. *Proceedings of the IEEE Symposium on Security and Privacy (S&P '21), San Francisco, CA, 247–267, 2021*.

C32 Patrick Gage Kelley, Yongwei Yang, Courtney Heldreth, Christopher Moessner, Aaron Sedley, Andreas Kramm, David T. Newman, Allison Woodruff. **Exciting, Useful, Worrying, Futuristic: Public Perception of Artificial Intelligence in 8 Countries**. *Proceedings of the 2021 AAAI/ACM Conference on AI, Ethics, and Society (AIES '21), 627–637, 2021*.

2019 C31 Kurt Thomas, Jennifer Pullman, Kevin Yeo, Ananth Raghunathan, Patrick Gage Kelley, Luca Invernizzi, Borbala Benko, Tadek Pietraszek, Sarvar Patel, Dan Boneh, Elie Bursztein. **Protecting Accounts from Credential Stuffing with Password Breach Alerting**. *Proceedings of the 28th USENIX Security Symposium, 1556–1571, 2019*.

2017 C30 Wei Bai, Doowon Kim, Moses Namara, Yichen Qian, Patrick Gage Kelley, Michelle L. Mazurek. **Balancing Security and Usability in Encrypted Email**. *IEEE Internet Computing, 21(3):30–38, 2017*.

2016 C29 Wei Bai, Doowon Kim, Moses Namara, Yichen Qian, Patrick Gage Kelley, Michelle L. Mazurek. **An Inconvenient Trust: User Attitudes toward Security and Usability Tradeoffs for Key-Directory Encryption Systems**. *Proceedings of the 12th Symposium on Usable Privacy and Security (SOUPS '16), 113–130, 2016*.

2015 C28 Steven Garcia, **Patrick Gage Kelley**, Yin Yang. **Fast Image Segmentation on Mobile Phone Using Multi-Level Graph Cut**. *Proceedings of Graphics Interface 2015, 81–88, 2015*.

C27 Manya Sleeper, Alessandro Acquisti, Lorrie Faith Cranor, **Patrick Gage Kelley**, Sean A. Munson, Norman Sadeh. **I Would Like To..., I Shouldn't..., I Wish I...: Exploring Behavior-Change Goals for Social Networking Sites**. *Proceedings of the ACM Conference on Computer-Supported Cooperative Work & Social Computing (CSCW '15), 1058–1069, 2015*.

2014 C26 Torin Adamson, John Baxter, Kasra Manavi, April Suknot, Bruna Jacobson, **Patrick Gage Kelley**, Lydia Tapia. **Molecular Tetris: Crowdsourcing Molecular Docking Using Path-Planning and Haptic Devices**. *Proceedings of the 7th International Conference on Motion in Games (MIG '14), 133–138, 2014*.

C25 April Suknot, Timothy Chavez, Nathan Rackley, **Patrick Gage Kelley**. **Immaculacy: A Game of Privacy**. *Proceedings of the First ACM SIGCHI Annual Symposium on Computer-Human Interaction in Play (CHI PLAY '14), 383–386, 2014*.

C24 Justin Cranshaw, Kurt Luther, **Patrick Gage Kelley**, Norman Sadeh. **Curated City: Capturing Individual City Guides Through Social Curation**. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '14), 3249–3258, 2014*.

2013 C23 Michelle L. Mazurek, Saranga Komanduri, Timothy Vidas, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor, **Patrick Gage Kelley**, Richard Shay, Blase Ur. **Measuring Password Guessability for an Entire University**. *Proceedings of the ACM SIGSAC Conference on Computer & Communications Security (CCS '13), 173–186, 2013*.

C22 **Patrick Gage Kelley**, Lorrie Faith Cranor, Norman Sadeh. **Privacy as Part of the App Decision-Making Process**. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '13), 2013*.

C21 Manya Sleeper, Justin Cranshaw, **Patrick Gage Kelley**, Blase Ur, Alessandro Acquisti, Lorrie Faith Cranor, Norman Sadeh. **"i read my Twitter the next morning and was astonished": A Conversational Perspective on Twitter Regrets**. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '13), 3277–3286, 2013*.

C20 **Patrick Gage Kelley**, Saranga Komanduri, Michelle L. Mazurek, Richard Shay, Timothy Vidas, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor. **The Impact of Length and Mathematical Operators on the Usability and Security of System-Assigned One-Time PINs**. *Proceedings of the International Conference on Financial Cryptography and Data Security (FC '13), 34–51, 2013*.

2012 C19 Blase Ur, **Patrick Gage Kelley**, Saranga Komanduri, Joel Lee, Michael Maass, Michelle L. Mazurek, Timothy Passaro, Richard Shay, Timothy Vidas, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor. **How Does Your Password Measure Up? The Effect of Strength Meters on Password Creation**. *Proceedings of the 21st USENIX Security Symposium, 2012*.

C18 Richard Shay, **Patrick Gage Kelley**, Saranga Komanduri, Michelle L. Mazurek, Blase Ur, Timothy Vidas, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor. **Correct Horse Battery Staple: Exploring the Usability of System-Assigned Passphrases**. *Proceedings of the 8th Symposium on Usable Privacy and Security (SOUPS '12), 2012*.

C17 **Patrick Gage Kelley**, Saranga Komanduri, Michelle L. Mazurek, Richard Shay, Timothy Vidas, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor. **Guess Again (and Again and Again): Measuring Password Strength by Simulating Password-Cracking Algorithms**. *Proceedings of the IEEE Symposium on Security and Privacy (S&P '12), 2012*.
IEEE S&P 2023 Test of Time Award

2011 C16 Jason Wiese, **Patrick Gage Kelley**, Lorrie Faith Cranor, Laura Dabbish, Jason I. Hong, John Zimmerman. **Are You Close with Me? Are You Nearby? Investigating Social Groups, Closeness, and Willingness to Share**. *Proceedings of the 13th ACM International Conference on Ubiquitous Computing (UbiComp '11), 2011*.

C15 **Patrick Gage Kelley**, Robin Brewer, Yael Mayer, Lorrie Faith Cranor, Norman Sadeh. **An Investigation into Facebook Friend Grouping**. *Proceedings of INTERACT 2011, Lisbon, Portugal, 2011*.
Honorable Mention, Best Student Paper

C14 **Patrick Gage Kelley**, Michael Benisch, Lorrie Faith Cranor, Norman Sadeh. **When Are Users Comfortable Sharing Locations with Advertisers?**. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '11), 2011*.

C13 Saranga Komanduri, Richard Shay, **Patrick Gage Kelley**, Michelle L. Mazurek, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor. **Of Passwords and People: Measuring the Effect of Password-Composition Policies**. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '11), 2011*.
CHI 2011 Best Paper Honorable Mention

2010 C12 Michael Benisch, **Patrick Gage Kelley**, Norman Sadeh, Lorrie Faith Cranor. **Capturing Location-Privacy Preferences: Quantifying Accuracy and User-Burden Tradeoffs**. *Personal and Ubiquitous Computing, 15(7), 2010. Presented at UbiComp 2010*.

C11 Eran Toch, Justin Cranshaw, Paul Hankes Drielsma, Janice Tsai, **Patrick Gage Kelley**, Lorrie Faith Cranor, Jason I. Hong, Norman Sadeh. **Empirical Models of Privacy in Location Sharing**. *Proceedings of the 12th ACM International Conference on Ubiquitous Computing (UbiComp '10), 2010*.

C10 Richard Shay, Saranga Komanduri, **Patrick Gage Kelley**, Pedro G. Leon, Michelle L. Mazurek, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor, Serge Egelman. **Encountering Stronger Password Requirements: User Attitudes and Behaviors**. *Proceedings of the 6th Symposium on Usable Privacy and Security (SOUPS '10), 2010*.

C9 Janice Tsai, **Patrick Gage Kelley**, Lorrie Faith Cranor, Norman Sadeh. **Location-Sharing Technologies: Privacy Risks and Controls**. *I/S: A Journal of Law and Policy for the Information Society, 6:119, 2010*.

C8 **Patrick Gage Kelley**, Lucian Cesca, Joanna Bresee, Lorrie Faith Cranor. **Standardizing Privacy Notices: An Online Study of the Nutrition Label Approach**. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '10), 2010*.
Selected for the Privacy Papers for Policy Makers publication, Future of Privacy Forum

2009 C7 Ramprasad Ravichandran, Michael Benisch, **Patrick Gage Kelley**, Norman Sadeh. **Capturing Social Networking Privacy Preferences: Can Default Policies Help Alleviate Tradeoffs between Expressiveness and User Burden?**. *Proceedings of the 9th Privacy Enhancing Technologies Symposium (PETS '09), 2009*.

C6 Aleecia M. McDonald, Robert W. Reeder, **Patrick Gage Kelley**, Lorrie Faith Cranor. **A Comparative Study of Online Privacy Policies and Formats**. *Proceedings of the 9th Privacy Enhancing Technologies Symposium (PETS '09), 2009*.

C5 Norman Sadeh, Jason I. Hong, Lorrie Faith Cranor, Ian Fette, **Patrick Gage Kelley**, Madhu Prabaker, Jinghai Rao. **Understanding and Capturing People's Privacy Policies in a People Finder Application**. *Personal and Ubiquitous Computing, 13(6), August 2009*.

C4 **Patrick Gage Kelley**, Joanna Bresee, Robert W. Reeder, Lorrie Faith Cranor. **Design of a Privacy Label**. *Proceedings of the 5th Symposium on Usable Privacy and Security (SOUPS '09), 2009*.
1st Place, ACM SIGCHI Student Research Competition, 2009

C3 Eran Toch, Ramprasad Ravichandran, Lorrie Faith Cranor, Paul Hankes Drielsma, Jason I. Hong, **Patrick Gage Kelley**, Norman Sadeh, Janice Tsai. **Analyzing Use of Privacy Policy Attributes in a Location Sharing Application**. *Symposium on Usable Privacy and Security (SOUPS '09), 2009*.

C2 Janice Tsai, **Patrick Gage Kelley**, Paul Hankes Drielsma, Lorrie Faith Cranor, Jason I. Hong, Norman Sadeh. **Who's Viewed You? The Impact of Feedback in a Mobile-Location System**. *Proceedings of the ACM CHI Conference on Human Factors in Computing Systems (CHI '09), 2009*.

2007 C1 Elizabeth DeBartolo, Margaret Bailey, Melissa Zaczek, Timothy Schriefer, **Patrick Gage Kelley**, Mallika Ramaswamy, Nicholas Ryczko. **Traveling Engineering Activity Kits – Energy and the Environment**. *Proceedings of the ASEE Annual Conference, Honolulu, HI, 2007*.

Workshop & Non-Archival Papers

2026 W33 **Patrick Gage Kelley**. **Defining the Foundations for Consent with AI Systems**. *CHI 2026 Workshop "Moving Beyond Clicks: Rethinking Consent and User Control in the Age of AI", Barcelona, Spain, 2026*.

2024 W32 Ashley Marie Walker, Michael Ann DeVito, Karla Badillo-Urquiola, Rosanna Bellini, Stevie Chancellor, Jessica L. Feuston, Kathryn Henne, **Patrick Gage Kelley**, Shalaleh Rismani, Renee Shelby, Renwen Zhang. **"What is Safety?": Building Bridges Across Approaches to Digital Risks and Harms**. *Companion Publication of the ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW Companion '24), 2024*.

W31 Stephen Meisenbacher, Alexandra Klymenko, **Patrick Gage Kelley**, Sai Teja Peddinti, Kurt Thomas, Florian Matthes. **Privacy Risks of General-Purpose AI Systems: A Foundation for Investigating Practitioner Perspectives**. *arXiv preprint arXiv:2407.02027, 2024*.

W30 Elie Bursztein, Karla Brown, Leonie Sanderson, Patrick Gage Kelley. **Leveraging Virtual Reality to Enhance Diversity, Equity and Inclusion Training at Google**. *Extended Abstracts of the ACM CHI Conference on Human Factors in Computing Systems (CHI EA '24), 522:1–522:7, 2024*.

2023 W29 Patrick Gage Kelley, Allison Woodruff. **Advancing Explainability Through AI Literacy and Design Resources**. *Interactions, 30(5):34–38, 2023*.

2021 W28 Patrick Gage Kelley, Yongwei Yang, Courtney Heldreth, Christopher Moessner, Aaron Sedley, Allison Woodruff. **"Mixture of Amazement at the Potential of This Technology and Concern About Possible Pitfalls": Public Sentiment towards AI in 15 Countries**. *IEEE Data Engineering Bulletin, 44(4):28–46, 2021*.

2020 W27 Allison Woodruff, Yasmin Asare Anderson, Katherine Jameson Armstrong, Marina Gkiza, Jay Jennings, Christopher Moessner, Fernanda Viégas, Martin Wattenberg, Lynette Webb, Fabian Wrede, Patrick Gage Kelley. **"A Cold, Technical Decision-Maker": Can AI Provide Explainability, Negotiability, and Humanity?**. *arXiv preprint arXiv:2012.00874, 2020*.

W26 Ben Zevenbergen, Allison Woodruff, Patrick Gage Kelley. **Explainability Case Studies**. *CSCW 2020 Workshop on Ethics in Design, 2020*.

W25 Wei Bai, Michael Pearson, Patrick Gage Kelley, Michelle L. Mazurek. **Improving Non-Experts' Understanding of End-to-End Encryption: An Exploratory Study**. *2020 IEEE European Symposium on Security and Privacy Workshops (EuroS&PW), 2020*.

2015 W24 Jessica Vitak, Pamela Wisniewski, Xinru Page, Airi Lampinen, Eden Litt, Ralf De Wolf, Patrick Gage Kelley, Manya Sleeper. **The Future of Networked Privacy: Challenges and Opportunities**. *Companion of the ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW Companion '15), 267–272, 2015*.

W23 Anand Paturi, Patrick Gage Kelley, Subhasish Mazumdar. **Introducing Privacy Threats from Ad Libraries to Android Users Through Privacy Granules**. *Proceedings of the NDSS Workshop on Usable Security (USEC '15), 2015*.

W22 Patrick Gage Kelley. **Privacy as Iconography: [Failing to] Reduce Complex Concepts to Pixels**. *5th Annual Symposium on Communicating Complex Information (SCCI), 2015*.

2014 W21 Amir Arbabshirani, Patrick Gage Kelley, Michalis Faloutsos. **Privacy Panel, A Facebook Application**. *Poster, 10th Annual UNM CS Student Conference (CSSC), Albuquerque, NM, 2014*.

W20 Fernando Serrano Doncel, Patrick Gage Kelley. **Exploring Anonymity Online**. *Poster, 10th Annual UNM CS Student Conference (CSSC), Albuquerque, NM, 2014*.

W19 Patrick Gage Kelley, Javier Chavez. **Comparative Privacy Displays in App Marketplaces**. *Preprint, 2014*.

2013 W18 Blase Ur, Saranga Komanduri, Richard Shay, Stephanos Matsumoto, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor, Patrick Gage Kelley, Michelle L. Mazurek, Timothy Vidas. **Poster: The Art of Password Creation**. *IEEE Symposium on Security and Privacy (S&P '13), Poster Session, 2013*.

W17 **Patrick Gage Kelley**, Manya Sleeper, Justin Cranshaw. **Conducting Research on Twitter: A Call for Guidelines and Metrics**. *Workshop on Measuring Networked Social Privacy, CSCW '13, 2013*.

2012 W16 Blase Ur, **Patrick Gage Kelley**, Saranga Komanduri, Joel Lee, Michael Maass, Michelle L. Mazurek, Timothy Passaro, Richard Shay, Timothy Vidas, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor, Serge Egelman, Julio Lopez. **Helping Users Create Better Passwords**. *;login:, 37(6), December 2012*.

W15 **Patrick Gage Kelley**, Sunny Consolvo, Lorrie Faith Cranor, Jaeyeon Jung, Norman Sadeh, David Wetherall. **A Conundrum of Permissions: Installing Applications on an Android Smartphone**. *Proceedings of the Workshop on Usable Security (USEC), Financial Cryptography (FC '12), 2012*.
USEC 2025 Test of Time Award

2011 W14 Xiao Sophia Wang, David Choffnes, **Patrick Gage Kelley**, Ben Greenstein, David Wetherall. **Measuring and Predicting Web Login Safety**. *ACM SIGCOMM Workshop on Measurements Up the STack (W-MUST) 2011, 2011*.

W13 Norman Sadeh, **Patrick Gage Kelley**. **User-Controllable Location Privacy**. *PriMo 2011, 2011*.

W12 **Patrick Gage Kelley**, Janice Tsai, Lorrie Faith Cranor, Norman Sadeh. **Location-Sharing Technologies: Privacy Risks and Controls**. *PriMo 2011, 2011*.

W11 Rebecca Balebako, Pedro G. Leon, Hazim Almuhimedi, **Patrick Gage Kelley**, Jonathan Mugan, Alessandro Acquisti, Lorrie Faith Cranor, Norman Sadeh. **Nudging Users Towards Privacy on Mobile Devices**. *CHI Workshop on Persuasion, Nudge, Influence and Coercion (PINC), 2011*.

W10 Matthew Kay, Eun Kyoung Choe, Jesse Shepherd, Ben Greenstein, Sunny Consolvo, **Patrick Gage Kelley**, Julie Kientz. **Lullaby: Environmental Sensing for Sleep Self-Improvement**. *Workshop on Personal Informatics, CHI '11, 2011*.

W9 **Patrick Gage Kelley**, Lucian Cesca, Joanna Bresee, Lorrie Faith Cranor. **Intentional Privacy Policy Design**. *CHI Workshop on Networked Privacy, 2011*.

2010 W8 Eran Toch, Justin Cranshaw, Paul Hankes Drielsma, Jay Springfield, **Patrick Gage Kelley**, Lorrie Faith Cranor, Jason I. Hong, Norman Sadeh. **Locaccino: A Privacy-Centric Location Sharing Application**. *Adjunct Proceedings of the 12th ACM International Conference on Ubiquitous Computing (UbiComp '10), 2010*.

W7 **Patrick Gage Kelley**. **Conducting Usable Privacy & Security Studies with Amazon's Mechanical Turk**. *USER Workshop, SOUPS 2010, 2010*.

W6 Brendan Meeder, Jennifer Tam, **Patrick Gage Kelley**, Lorrie Faith Cranor. **RT @IWantPrivacy: Widespread Violation of Privacy Settings in the Twitter Social Network**. *Web 2.0 Security and Privacy Workshop (W2SP) 2010, 2010*.

2009 W5 Janice Tsai, **Patrick Gage Kelley**, Lorrie Faith Cranor, Norman Sadeh. **The Risk and Benefit Perceptions of Location-Sharing Technologies**. *Telecommunications Policy Research Conference (TPRC) 2009, 2009*.

2008 W4 Patrick Gage Kelley, Paul Hankes Drielsma, Norman Sadeh, Lorrie Faith Cranor. **User-Controllable Learning of Security and Privacy Policies**. *Proceedings of the 1st ACM Workshop on Security and Artificial Intelligence (AISec '08), 2008*.

W3 Robert W. Reeder, Patrick Gage Kelley, Aleecia M. McDonald, Lorrie Faith Cranor. **A User Study of the Expandable Grid Applied to P3P Policy Visualization**. *Proceedings of the 7th ACM Workshop on Privacy in the Electronic Society (WPES '08), 2008*.

W2 Joseph K. Bradley, Patrick Gage Kelley, Aaron Roth. **Author Identification from Citations**. *Poster, Carnegie Mellon University, 2008*.

2007 W1 Madhu Prabaker, Jinghai Rao, Ian Fette, Patrick Gage Kelley, Lorrie Faith Cranor, Jason I. Hong, Norman Sadeh. **Understanding and Capturing People's Privacy Policies in a People Finder Application**. *UbiComp Workshop on Privacy, Innsbruck, Austria, 2007*.

Doctoral Thesis

Patrick Gage Kelley. **Designing Privacy Notices: Supporting User Understanding and Control**. *Ph.D. Thesis, Carnegie Mellon University*.

White Papers & Technical Reports

2026 R10 David Touretzky, Patrick Gage Kelley, Ella Howard, Emmanuel J. Dorley, Roderick L. Lee, Sri Yash Tadimalla, Noah Q. Cowit. **Designing Faculty Professional Development for Technical and Socio-technical AI: NSF LEVEL UP AI Workshop Recommendations**. *Computing Research Association (CRA), July 2026*.

2025 R9 Allison Woodruff, Reena Jana, Patrick Gage Kelley, Derrick Feldmann, Colleen Thompson-Kuhn. **Calibrating Trustworthiness in GenAI**. *White Paper, Ad Council Research Institute, 2025*.

R8 Kevin R.B. Butler, Sunny Consolvo, Katie Siek, Tammy Toscos, Pamela Wisniewski, Haley Griffin, Nazanin Andalibi, Rosa I. Arriaga, Beenish Moalla Chaudhry, Munmun De Choudhury, Jeremy Epstein, Oliver L. Haimson, Sharon Heung, Zaidat Ibrahim, Patrick Gage Kelley, Vera Khovanskaya, Anna Lenhart, Aqueasha Martin-Hammond, Jessica McClearn, Vivian Genaro Motti, Chinasa T. Okolo, Jessica Pater, Wanda Pratt, Sydney Saubestre, Vincent M.B. Silenzio, Dhanaraj Thakur, Alexandra To, Emily Tseng, Rebecca Umbach. **Supporting At-Risk Users Through Responsible Computing**. *CCC Visioning Workshop Report, Computing Research Association, October 2025*.

2020 R7 Sunny Consolvo, Patrick Gage Kelley, Tara Matthews. **Digital Security & U.S. Political Campaigns: Research Highlights**. *White Paper, Google, September 2020*.

R6 Sunny Consolvo, Patrick Gage Kelley, Tara Matthews. **Digital Security & U.S. Political Campaigns: Expert Roundtable**. *White Paper, Google, September 2020*.

2011 R5 Patrick Gage Kelley, Saranga Komanduri, Michelle L. Mazurek, Richard Shay, Timothy Vidas, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor. **Guess Again (and Again and Again): Measuring Password Strength by Simulating Password-Cracking Algorithms**. *CMU-CyLab-11-008, October 2011*.

2010 R4 **Patrick Gage Kelley**, Michael Benisch, Norman Sadeh, Lorrie Faith Cranor. **When are Users Comfortable Sharing Locations with Advertisers?**. *CMU-CyLab-10-017, October 2010*.

R3 Michael Benisch, **Patrick Gage Kelley**, Norman Sadeh, Lorrie Faith Cranor. **Capturing Location-Privacy Preferences: Quantifying Accuracy and User-Burden Tradeoffs**. *CMU-ISR-10-105, March 2010*.

2009 R2 **Patrick Gage Kelley**, Lucian Cesca, Joanna Bresee, Lorrie Faith Cranor. **Standardizing Privacy Notices: An Online Study of the Nutrition Label Approach**. *CMU-CyLab-09-014, November 2009*.

2008 R1 Michael Benisch, **Patrick Gage Kelley**, Norman Sadeh, Tuomas Sandholm, Lorrie Faith Cranor, Paul Hankes Drielsma, Janice Tsai. **The Impact of Expressiveness on the Effectiveness of Privacy Mechanisms for Location Sharing**. *CMU-ISR-08-141, December 2008*.

Patents

2013 P1 Norman Sadeh, Paul Hankes Drielsma, Lorrie Faith Cranor, **Patrick Gage Kelley**. **User-Controllable Learning of Policies**. *US Patent 8,423,483, 2013*.

SELECTED TALKS

2026 T54 Participated in **Impact@SOUPS Panel**. Impact@SOUPS 2026 workshop, Symposium on Usable Privacy and Security (SOUPS), Hannover, Germany, August 2026.

T53 Participated in **Career Panel**. Johns Hopkins pre-USENIX Security Workshop, 2026.

T52 **Getting Specific on AI Impacts**. Invited Talk, Human-Computer Interaction Consortium (HCIC), 2026.

T51 **Label Design**. Invited Workshop Talk, MLCommons GAP Kickoff, May 2026.

T50 **Architecting the Future of Trust & Safety Research**. Panel Moderator, Google Research event, London, May 2026.

T49 **Trust & Safety at Google**. Talk at the Google booth, ACM CHI Conference on Human Factors in Computing Systems, Barcelona, Spain, April 2026.

T48 Participated in **Frontier Lab Panel**. Workshop on AI and Mental Health, Partnership on AI, March 2026.

2025 T47 **Understanding Generative AI and Trust & Safety**. United States Telecommunications Training Institute (USTTI), Washington, DC, 2025.

T46 **The Promise of AI to Improve Online Safety, Privacy, and Security**. Keynote, First ACM CCS Workshop on Human-Centered AI Privacy and Security (HAIPS '25), 2025.

T45 **How Generative AI Empowers Attackers and Defenders Across the Trust & Safety Landscape**. Safer with Google, 2025.

T44 **Google UX Privacy & Legal AI Guidance**. Speaker, UXU Disruptive AI UX Summit, September 2025.

T43 Participated in **Fraud & Scams Panel**. Marketplace Risk New York Conference, New York, NY, September 2025.

T42 **Trust & Safety at Google**. Talk at the Google booth, ACM CHI Conference on Human Factors in Computing Systems, Yokohama, Japan, April 2025.

T41 **AI & Society Roundtable — Research Ideation**. Facilitator, CAHSI, 2025.

T40 **A Conundrum of Permissions**. Keynote and Test of Time Award Talk, Symposium on Usable Security and Privacy (USEC), 2025.

T39 **Exploring Model Cards & AI Transparency**. Workshop, Google Paris Responsible AI Summit, Paris, February 2025.

T38 **Beyond the Sparkle**. Invited Talk, Google Paris Responsible AI Summit, Paris, February 2025.

2024 T37 **Reflecting on Twenty Years of Usable Privacy and Security**. Panel Moderator, Symposium on Usable Privacy and Security (SOUPS), Philadelphia, PA, August 2024.

T36 **Explainability Workshop and Intro to Model Cards**. Invited Workshop, AI Connect Brazil, August 2024.

T35 **Safety By Design**. Led accepted workshop, TrustCon 2024, San Francisco, CA, July 2024.

T34 Participated in **Building & Launching AI Safety Practices Panel**. TrustCon 2024, San Francisco, CA, July 2024.

T33 **Safety By Design**. Led accepted workshop, Trust & Safety Forum, Lille, France, March 2024.

T32 **"There will be less privacy, of course": How and Why People in 10 Countries Expect AI Will Affect Privacy in the Future**. Presentation, FTC PrivacyCon 2024, March 2024.

T31 **Safety & Privacy Index**. Safer with Google, 2024.

2023 T30 **Explainable AI**. AI Symposium, Washington, DC, November 16, 2023.

T29 **EU AI Policy and What It Means for Big Tech**. Invited Lecture, The Fletcher School, Tufts University, November 13, 2023.

T28 **Keynote, "AI through the Eyes of Gen Z" Workshop**. Keynote, CSCW 2023 Workshop on AI through the Eyes of Gen Z, Online, October 2023.

T27 **"There will be less privacy, of course": How and Why People in 10 Countries Expect AI Will Affect Privacy in the Future**. Conference Talk, Symposium on Usable Privacy and Security (SOUPS), 2023.

T26 **Helping People Navigate an AI World**. Presentation, South by Southwest (SXSW), 2023.

T25 **“There will be less privacy, of course”: How and Why People in 10 Countries Expect AI Will Affect Privacy in the Future**. Google Hibiscus Privacy Summit, February 2023.

T24 Participated in **Generative Futures**. Google Research Interactive Summit on Generative Futures, 2023.

2022 T23 **Understanding Exposure & Belief in Health Information Throughout the Covid-19 Pandemic**. Invited Talk, Human-Computer Interaction Consortium (HCIC), 2022.

T22 **Discover AI in Daily Life**. Lightning Talk, TTC Labs Summit 2022, May 2022.

T21 **Explainable AI**. Talk to the Responsible Innovation Fellows cohort, Google, May 2022.

T20 **Around the World in 500 Days of Pandemic Misinformation**. Invited Talk, USENIX Enigma, 2022.

2021 T19 **“Why wouldn’t someone think of democracy as a target?”: Security Practices & Challenges of People Involved with U.S. Political Campaigns**. Conference Talk, USENIX Security Symposium, August 2021.

T18 **Exciting, Useful, Worrying, Futuristic: Public Perception of Artificial Intelligence in 8 Countries**. Conference Talk, AAAI/ACM Conference on AI, Ethics, and Society (AIES), Virtual, May 2021.

T17 **Privacy, Measurably, Isn’t Dead**. Invited Talk, USENIX Enigma, 2021.

2019 T16 Participated in **Notice, Consent and Human-Centered Design — Solving the Human–Technology Interaction Conundrum**. Stanford / World Economic Forum, San Francisco, CA, October 2019.

2018 T15 **Understanding User Facing Threats in Security & Privacy**. Invited Lecture, Northwestern University, October 19, 2018.

2016 T14 **An Inconvenient Trust: User Attitudes Toward Security and Usability Tradeoffs for Key-Directory Encryption Systems**. Invited Talk, Black Hat USA, 2016.

2011 T13 **Nudging and Labels: CUPS Privacy**. Invited Presentation, GSMA Workshop on Privacy, London, 2011.

2010 T12 Participated in **New Research Tools: Crowdsourcing and Cloud Computing**. Symposium on Usable Privacy and Security (SOUPS), Seattle, WA, 2010.

2009 T11 Participated in **Research Showcase Highlights**. Computers, Freedom, and Privacy (CFP), Washington, DC, 2009.

2008 T10 **Preparing the Agile Cyberdefender**. Workshop Participant and Presenter, Air Force Strategy Session, Arlington, VA, May 2008.

T9 **Designing Facebook Applications with Privacy**. Invited Lecture, Social Web (Hong & Kraut), Carnegie Mellon University, Pittsburgh, PA, 2008.

2005 T8 **Veni, Vidi, Wiki?**. Scholarship @ RIT, Rochester, NY, 2005.

T7 **Rochester, City as Text**. National Collegiate Honors Conference (NCHC), Chicago, IL, 2005.

T6 **Learning Leadership Styles**. Invited Presentation, Society of Women Engineers National Conference, Anaheim, CA, 2005.

T5 **Developing a Student Constitution**. National Collegiate Honors Conference (NCHC), Chicago, IL, 2005.

2004 T4 **The Young Leader**. National Collegiate Honors Conference (NCHC), New Orleans, LA, 2004.

T3 **Managing Student Government**. National Collegiate Honors Conference (NCHC), New Orleans, LA, 2004.

T2 **Developing a Succession Plan**. National Collegiate Honors Conference (NCHC), New Orleans, LA, 2004.

2003 T1 **Leadership as Exploration**. Invited Presentation, Society of Women Engineers National Conference, Birmingham, AL, 2003.

TEACHING

Google

2019–26 **UX Legal & Privacy Training (UXPLT)**

A mandatory training for all UX Researchers and others at Google doing research with human subjects. I was the lead instructor, teaching this class over 30 times to 1000+ Google employees. We covered Google's informed consent processes, and the privacy rules that govern our use of research data.

2018–24 **Designing for At-Risk Users (DFARU)**

I was one of a team of a dozen instructors of this specialized class, based on our at-risk users research, that helped Google product teams (product leads, UX designers, researchers, and engineers) understand how to improve their products for users who are higher risk.

2021–24 **Designing to Help Users Navigate AI**

Based on our explainability research, we taught an internal Google course on how to improve the design of products by building explainability principles into AI systems. Taught 20+ times, to product teams experimenting with user-facing AI explanation needs this class balanced engaging workshop activities with AI design principles.

University of New Mexico

2013–16 CS 293 Social and Ethical Issues in Computing — Spring and Fall 2013, 2014, 2015; Spring 2016 (two sections in Fall 2014). Rebuilt the department's ethics requirement

Spring 2015 CS 491/591 Holistic Mobile Application Development — new course

Spring 2014 CS 491/591 Information Visualization and Computational Design — new course

Fall 2013 CS 152 Computer Programming Fundamentals — two sections, combined lab/lecture

Fall 2012 CS 251 Intermediate Programming

Carnegie Mellon University

Spring 2012 Special Topics in Interactive Art and Computational Design — teaching assistant for Golan Levin

Spring 2012 College News: The Process to the Press — student-led course, developed and taught with Greg Hanneman

Spring 2010 Special Topics in Interactive Art and Computational Design — teaching assistant for Golan Levin

Spring 2009 Mobile and Pervasive Computing Services — teaching assistant for Gregory Kesden and Norman Sadeh

Fall 2008 Privacy Policy, Law, and Technology — teaching assistant for Lorrie Faith Cranor

Rochester Institute of Technology

Spring 2004 City as Text: Rochester — co-taught and developed with Jessica Lieberman

ADVISING & MENTORING

Google — Research Interns

2026 Ila Krishna Kumar (MIT Media Lab); Jabari Kwesi (Duke University)

2025 Claire Florence Weizenegger (University of Washington); Sharon Heung (Cornell Tech)

2024 Mo Houtti (University of Minnesota)

Google — Academic & Research Mentoring

Jess McClearn (Royal Holloway)

Miranda Wei (University of Washington)

Jake Chanenson (University of Chicago)

Diana Freed (Cornell Tech)

Alexandra Klymenko (TU Munich)

Stephen Meisenbacher (TU Munich)

Chiara Ullstein (TU Munich)

Michel Hohendanner (TU Munich)

Yaman Yu (UIUC)

Collins Munyendo (George Washington University)

Mentoring Programs

2025 Mentor, AIES-25 mentorship program, Madrid, October 2025

2023 Job Market Mentoring Group, CMU HCII — mock-interview and career session for PhD students on the market, November 2023

2021 Mentor, AIES 2021 student mentorship program

External Dissertation Committees

2027 Claire Florence Weizenegger (University of Washington)

2019 Wei Bai (University of Maryland)

University of New Mexico

Ph.D. Steven Garcia

M.D. Tomas Cordova

M.S. Aaron Gonzalez; Ramon Lovato; Nathan Rackley; April Suknot; Amir Arbabshirani

B.S. Javier Chavez; Tim Chavez; Evan King; Chris Ottino; Fernando Serrano; Julian Lucero

Carnegie Mellon University — REU

Robin Brewer; Yael Mayer

SERVICE

Leadership & Organizing

2026 Co-organizer, Architecting the Future of Trust & Safety Research — Google Trust & Safety research convening, London, May 2026

2026 Karat Award Committee, SOUPS

2025 Co-organizer, Postcards from Tokyo — Google Trust & Safety research convening, Google Tokyo, co-located with CHI 2025

2024 Co-organizer, "What is Safety?": Building Bridges Across Approaches to Digital Risks and Harms — workshop at CSCW 2024

2024 Co-organizer, Google Responsible AI Summit, AI Research Day — Paris, October 2, 2024

2024–26 Governing Board Representative from Google, Human-Computer Interaction Consortium (HCIC)

2023–26 Co-lead, Google Academic Research Awards (GARA), Trust & Safety

2023–26 General Chair, Symposium on Usable Privacy and Security (SOUPS)

2023 Event Co-Chair, HCIC (with Allison McDonald and Rahul Chatterjee)

2022 Social Justice Co-Chair, ACM CHI

2022–24 SIGCHI Sustainability Committee

2019–23 Supported the Google Faculty Research Awards and Google PhD Fellowship programs

2019–20 Steering Committee, World Economic Forum "Redesigning Notice & Consent for Data Protection" project

2017– Steering Committee, SOUPS (2017–2022, 2023–present)

2016–20 SIGCHI Operations Committee

2015–16 ACM SIGCHI Conference Management Committee

2015–16 Publicity Chair, SOUPS

2015 Organizer, "The Future of Networked Privacy: Challenges and Opportunities" workshop

2013–15 ACM SIGCHI Executive Committee, Adjunct Chair for Media + Brand (July 2013 – May 2015)

2013 Advisory group to the California Attorney General for *Privacy on the Go*, guidelines for mobile application developers (January 2013)

Program Committees

USENIX Security Symposium — 2021, 2022, 2023, 2025; Research Ethics Committee, 2022; PC mentor, 2023, 2025

ACM CHI Conference on Human Factors in Computing Systems — 2014, 2019

AAAI/ACM Conference on AI, Ethics, and Society (AIES) — 2021, 2023, 2025

2026 MetaCRiSP (co-located with IEEE S&P)

2019 AAAI Spring Symposium on Privacy-Enhancing Artificial Intelligence and Language Technologies (PAL)

2018 Workshop on Usable Security (USEC)

2016 AAAI Fall Symposium on Privacy and Language Technologies (PLT)

2015 The Web Conference (WWW), Security and Privacy track

2015 Networked Privacy workshop

2014 Workshop on Privacy in the Electronic Society (WPES)

2013 Workshop on Privacy and Security in Online Social Media (PSOSM)

Reviewing

Conferences: CHI (2012, 2013, 2015, 2020, 2021, 2023, 2024, 2025, 2026; case studies 2023), CSCW (2013, 2018, 2019, 2021, 2023), FAccT (2021), EuroUSEC (2020), PoPETs (2020), UIST (2019, 2021), SOUPS, UbiComp (2011, 2013, 2014), DIS (2014), ICIS (2013), WWW (2015)

Journals: ACM Transactions on Computer–Human Interaction, International Journal of Human-Computer Studies, IEEE Security & Privacy, Information Systems Research, IET Information Security, IEEE Pervasive Computing, IEEE Industrial Electronics Magazine

2025 Reviewer, NAIRR AI Education Fellowship applications

2025 Research content reviews, Safer with Google

Invited Participation

2026 MLCommons AI & Privacy Meeting, invited workshop, March 2026

2026 “Collective Governance of AI in Newsrooms” workshop, Brown University, April 2026

2025 Technical Agentic AI Safety Standards Workshop, November 2025

2019 Security and Human Behavior (SHB) workshop, invite-only

2016 Supporting contributor, SIGCHI HCI Policy report

University of New Mexico

2013–16 University Libraries Committee

2013–16 CS Undergraduate Curriculum Committee

2013–16 CS ABET Committee

2013 CS Faculty Search Committee

2014–15 School of Engineering Academic Council

School of Engineering, Farris Engineering Center Master Planning Committee

UNM Service-Learning Advisory Board

UNM Liberal Arts & Integrative Studies Faculty Advisory Committee

Outreach

Over a decade of STEM outreach with middle and high school students, including Andrew’s Leap, SWE’s Vitality Taskforce, RIT’s TEAK project, the Expanding Your Horizons workshop, and Hack for Change Albuquerque

Active in the art community — helped facilitate the STUDIO for Creative Inquiry’s ART && CODE workshops and taught information visualization to art students

EARLIER APPOINTMENTS AND WORK EXPERIENCE

2011 **Researcher, Intel Labs Seattle / University of Washington CSE**
Spring 2011. I interned at Intel Labs Seattle with Sunny Consolvo (ILS) and David Wetherall (UW) working on the UI/UX of several privacy related applications, including: a sleep sensing project, a browser privacy plugin, and a project explaining mobile application permissions to users.

2008–12 **Consultant and Designer, Wombat Security Technologies**
My research at Carnegie Mellon contributed to the creation of the startup company Wombat Security Technologies. I have continued to work as consultant for Wombat, assisting in future development of anti-phishing tools, educational materials, and website design and maintenance.

2004–05 **National Security Agency**

Knowledge Discovery Sciences Office — Development work on a tool for separating a document's content from extraneous formatting, part of a larger project for automatic semantic document clustering based on content.

Laboratory for Physical Sciences at University of Maryland — Planned a controller update for a Scanning Tunneling Microscope; redesigned, updated, and maintained content of the group's website; and studied Quantum Computing and Quantum Information Science.

System Engineering and Project Management — Development work on a project tasked to monitor an incoming data system. Created a system with a CGI web-interface for Python base-code. Created documentation of security plans/presentations and website for the branch.

2002 **Research Assistant, Computer Engineering, Rochester Institute of Technology**

Led the development of MIST (the Meta Image Software Toolkit) in collaboration with Kodak.