

PATRICK GAGE KELLEY

pgk@cs.unm.edu
@patrickgage

My research centers on privacy, visualization, media, and the influence of technology on culture. I direct **EXIT**. I have worked on projects related to passwords, location-sharing, privacy policies, mobile apps, Twitter, Facebook relationship grouping, and the design of standardized, user-friendly privacy displays.

EDUCATION

2013	Carnegie Mellon	Doctor of Science in Computation, Organizations & Society
2010	University	Masters of Science in Computation, Organizations & Society
2006	Rochester Institute	Bachelor of Science in Computer Engineering
2006	of Technology	Bachelor of Science in Creative Writing and Literature

EMPLOYMENT

2012–Present	University of New Mexico	Assistant Professor of Computer Science School of Engineering
2006–2012	Carnegie Mellon University	I received my PhD from Carnegie Mellon University working with the Mobile Commerce Lab and the CyLab Usable Privacy and Security (CUPS) Lab.

CONFERENCE & JOURNAL PUBLICATIONS

- 2014 [p.23] M Sleeper, A Aquisti, LF Cranor, PG Kelley, S Munson, N Sadeh. “I would like to..., I shouldn’t..., I wish I...: Exploring behavior-change goals for social networking sites” Forthcoming at CSCW 2014
- [p.22] JB Cranshaw, K Luther, PG Kelley, N Sadeh. Curated city: capturing individual city guides through social curation. CHI 2014
- 2013 [p.21] ML Mazurek, S Komanduri, T Vidas, L Bauer, N Christin, LF Cranor, PG Kelley. Measuring password guessability for an entire university Proceedings of the 2013 ACM SIGSAC conference, 2013
- [p.20] PG Kelley, S Komanduri, ML Mazurek, R Shay, T Vidas ... The impact of length and mathematical operators on the usability and security of system-assigned one-time PINs. Financial Cryptography and Data Security, 2013
- [p.19] Kelley, P.G., Cranor, L.F., Sadeh, N. “Privacy as Part of the App Decision-Making Process.” CHI 2013.
- [p.18] Sleeper, M., Cranshaw, J., Kelley, P.G., Ur, B., Acquiti, A., Cranor, L.F., Sadeh, N. “I read my Twitter the next morning and was astonished: A conversational perspective on Twitter regrets.” CHI 2013.

TEACHING

University of New Mexico	Spring 2014	Special Topics in Information Visualization and Computational Design	CS 491/591
	Fall 2013	Computer Programming Fundamentals	CS 152
	Spring & Fall 2013, Spring & Fall 2014	Social and Ethical Issues in Computing	CS 293
	Fall 2012	Intermediate Programming	CS 251
Carnegie Mellon University	Spring 2012	Special Topics in Interactive Art and Computational Design <i>Teaching Assistant for Golan Levin</i>	
	Spring 2012	College News: The Process to the Press <i>Student-led course developed and taught with Greg Hanneman</i>	
	Spring 2010	Special Topics in Interactive Art and Computational Design <i>Teaching Assistant for Golan Levin</i>	
	Spring 2009	Mobile and Pervasive Computing Services <i>Teaching Assistant for Gregory Kesden and Norman Sadeh</i>	
	Fall 2008	Privacy Policy, Law, and Technology <i>Teaching Assistant for Lorrie Faith Cranor</i>	
Rochester Inst. of Tech.	Spring 2004	City as Text: Rochester <i>Co-taught and developed with Dr. Jessica Lieberman</i>	

RESEARCH AWARDS

“A Investigation into Facebook Friend Grouping.” Honorable Mention for Best Student Paper at INTERACT 2011 in Lisbon, Portugal.

“A “Nutrition Label” for Privacy” 1st Place, ACM Grand Finals Graduate Student Research Competition. 2010.

Our 2010 Standardizing Privacy Notices paper was selected for inclusion in the Privacy Papers for Policy Makers, Future of Privacy Forum publication.

“Designing A Privacy Label.” 1st Place, ACM SIGCHI Student Research Competition. 2009.

“Designing A Privacy Label.” Honorable Mention, NYU-poly Computer Security Awareness Week - Research Competition. 2009.

“Mitsubishi Electronic Research Lab Sensor Exploration.” With Danny Rashid. Honorary Award, IEEE InfoVis Contest. 2008.

CONFERENCE & JOURNAL PUBLICATIONS (cont.)

- 2012 [p.17] Ur, B., Kelley, P.G., Komanduri, S., Lee, J., Maass, M., Mazurek, M.L., Passaro, T., Shay, R., Vidas, T., Bauer, L., Christin, N., and Cranor, L.F. "How does your password measure up? The effect of strength meters on password creation." USENIX 2012.
- [p.16] Shay, R., Kelley, P.G., Komanduri, S., Mazurek, M.L., Ur, B., Vidas, T., Bauer, L., Christin, N., and Cranor, L.F. "Correct horse battery staple: Exploring the usability of system-assigned passphrases." SOUPS 2012.
- [p.15] Kelley, P.G., Komanduri, S., Mazurek, M.L., Shay, R., Ur, B., Vidas, T., Bauer, L., Christin, N., and Cranor, L.F. "Guess again (and again and again): Measuring password strength by simulating password-cracking algorithms." IEEE Security & Privacy 2012.
- 2011 [p.14] Kelley, P.G., Brewer, R., Mayer, Y., Cranor, L.F., and Sadeh, N. "An Investigation into Facebook Friend Grouping." INTERACT 2011.
- [p.13] Komanduri, S., Shay, R., Kelley, P.G., Mazurek, M.L., Bauer, L., Christin, N., and Cranor, L.F. "Of Passwords and People: Measuring the Effect of Password-Composition Policies." CHI 2011.
- [p.12] Kelley, P.G., Benisch, M., Cranor, L.F., and Sadeh, N. "When Are Users Comfortable Sharing Locations with Advertisers?" CHI 2011.
- 2010 [p.11] Benisch, M., Kelley, P.G., Sadeh, N., and Cranor, L.F. Capturing location-privacy preferences: quantifying accuracy and user-burden tradeoffs. PUC 2010.
- [p.10] Shay, R., Komanduri, S., Kelley, P.G., Leon, P.G., Mazurek, M.L., Bauer, L., Christin, N., Cranor, L.F., and Egelman, S. "Encountering Stronger Password Requirements: User Attitudes and Behaviors." SOUPS 2010.
- [p.09] Toch, E., Cranshaw, J., Hankes Drielsma, P., Tsai, J.Y., Kelley, P.G., Cranor, L., Hong, J., and Sadeh, N. "Empirical Models of Privacy in Location Sharing." UBICOMP 2010.
- [p.08] Tsai, J., Kelley, P.G., Cranor, L.F., and Sadeh, N. "Location-Sharing Technologies: Privacy Risks and Controls." I/S 2010.
- [p.07] Kelley, P.G., Cesca, L.J., Bresee, J., and Cranor, L.F. "Standardizing Privacy Notices: An Online Study of the Nutrition Label Approach." CHI 2010.
- 2009 [p.06] McDonald, A., Reeder, R., Kelley, P.G., and Cranor, L.F. "A Comparative Study of Online Privacy Policies and Formats." PETS 2009.
- [p.05] Kelley, P.G., Bresee, J., Reeder, R., and Cranor, L.F. "Design of A Privacy Label." SOUPS 2009.
- [p.04] Tsai, J., Kelley, P.G., Hankes Drielsma, P., Cranor, L.F., Hong, J., and Sadeh, N. "Who's Viewed You? The Impact of Feedback in a Mobile-location System." Computer Human Interaction (CHI) 2009.
- [p.03] Ravichandran, R., Benisch, M., Kelley, P.G., and Sadeh, N. "Capturing Social Networking Privacy Preferences: Can Default Policies Help Alleviate Tradeoffs between Expressiveness and User Burden?" PETS 2009.
- [p.02] Sadeh, N., Hong, J., Cranor, L., Fette, I., Kelley, P.G., Prabaker, M., and Rao, J. "Understanding and Capturing People's Privacy Policies in a People Finder Application", Privacy Usability Journal. Vol. 13, No. 6, August 2009.
- 2007 [p.01] DeBartolo, E., Bailey, M., Zaczek, M., Schriefer, T., Kelley, P.G., Ramaswamy, M., and Ryczko, N. "Traveling Engineering Activity Kits - Energy and the Environment." ASEE Conference, Honolulu, 2007.

WORKSHOP & MAGAZINE PUBLICATIONS (selected)

- 2013 [w.10] Kelley, P.G., Sleeper, M., and Cranshaw, J. Conducting Research on Twitter: A Call for Guidelines and Metrics. CSCW Measuring Networked Social Privacy Workshop 2013.
- 2012 [w.09] Ur, B., Kelley, P.G., Komanduri, S., Lee, J., Maass, M., Mazurek, M.L., Passaro, T., Shay, R., Vidas, T., Bauer, L., Christin, N., Cranor, L.F., Egelman, S., and Lopez, J. Helping Users Create Better Passwords. ;login: Vol 37, No. 6, December 2012.
- [w.08] Kelley, P.G., Consolvo, S., Cranor, L.F., Jung, J., Sadeh, N., Wetherall, D. "A Conundrum of Permissions: Installing Applications on an Android Smartphone." USEC FC 2012.
- 2011 [w.07] Kay, M., Choe, E.K., Shepherd, J., Greenstein, B., Consolvo, S., Kelley, P.G., and Kientz, J. "Lullaby: environmental sensing for sleep self-improvement" Workshop on Personal Informatics, CHI 2011.
- [w.06] Kelley, P.G., Cesca, L.J., Bresee, J., and Cranor, L.F. "Intentional Privacy Policy Design" CHI Workshop on Networked Privacy 2011.
- [w.05] Balebako, R., Leon, P., Almuhimedi, H., Kelley, P.G., Mugan, J., Acquisti, A., Cranor, L.F., and Sadeh, N. "Nudging Users Towards Privacy on Mobile Devices" CHI PINC 2011.
- 2010 [w.04] Kelley, P.G. "Conducting Usable Privacy & Security Studies with Amazon's Mechanical Turk." USER 2010
- [w.03] B. Meeder, J. Tam, P.G. Kelley, and L.F. Cranor. "RT @IWantPrivacy: Widespread Violation of Privacy Settings in the Twitter Social Network" W2SP 2010.
- 2008 [w.02] Kelley, P.G., Hankes Drielsma, P., Sadeh, N., and Cranor L. "User Controllable Learning of Security and Privacy Policies." AISec 2008.
- [w.01] Reeder R.W., Kelley, P.G., McDonald, A.M., and Cranor, L.F. "A User Study of the Expandable Grid Applied to P3P Policy Visualization." Workshop on Privacy in the Electronic Society (WPES). 2008.

ACADEMIC SERVICE, LEADERSHIP

- Reviewing SOUPS, CHI, UBICOMP, CSCW, ToCHI, ICIS, DIS, UIST, IET Information Security, IEEE Pervasive Computing, IEEE Security & Privacy, IEEE Industrial Electronics Magazine, Information Systems Research
- Program PSOSM 2013, CHI 2014, WPES 2014, Networked Privacy 2015, WWW 2015
Committees
- UNM Undergraduate Curriculum Committee, UNM-CS Faculty Search 2013, Farris
Committees Engineering Center Master Planning Committee, University Libraries Committee
- External ACM SIGCHI Adjunct Chair for Media+Brand
Service SOUPS Publicity Chair 2015