

SergeEgelman

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education

2009	PhD in Computation, Organizations, and Society School of Computer Science	Carnegie Mellon University
2004	BS in Computer Engineering School of Engineering and Applied Science	University of Virginia

experience

2016–Now	International Computer Science Institute Research Director, Usable Security & Privacy Group	Berkeley, California
2013–2016	International Computer Science Institute Senior Researcher, Networking and Security Group	Berkeley, California
2011–Now	University of California, Berkeley Research Scientist, Electrical Engineering and Computer Sciences	Berkeley, California
2010–2011	National Institute of Standards and Technology Research Scientist, Visualization and Usability Group	Gaithersburg, Maryland
2009–2010	Brown University Postdoctoral Researcher, Computer Science Department	Providence, Rhode Island
2008	Microsoft Research Research Intern, Security and Privacy Group	Redmond, Washington
2008	Microsoft Research Research Intern, VIBE Group	Redmond, Washington
2006	PARC Research Intern, Computer Science Laboratory	Palo Alto, California

publications

refereed journal publications

A Usability Evaluation of Tor Launcher

Lee, L., Fifield, D., Malkin, N., Iyer, G., Egelman, S., and Wagner, D. Proceedings on Privacy Enhancing Technologies 2017.3 (2017) pp. 87–106.

The Effect of Online Privacy Information on Purchasing Behavior: An Experimental Study

*Tsai, J., Egelman, S., Cranor, L., and Acquisti, A. Information Systems Research 22.2 (2011) pp. 254–268. **Best Paper Award!***

P3P Deployment on Websites

Cranor, L. F., Egelman, S., Sheng, S., McDonald, A. M., and Chowdhury, A. Electronic Commerce Research and Applications 7.3 (2008) pp. 274–293.

The Real ID Act: Fixing Identity Documents with Duct Tape

Egelman, S., and Cranor, L. F. I/S: A Journal of Law and Policy for the Information Society 2.1 (2006) pp. 149–183.

refereed conference publications

- Turtle Guard: Helping Android Users Apply Contextual Privacy Preferences
Tsai, L., Wijesekera, P., Reardon, J., Reyes, I., Egelman, S., Wagner, D., Good, N., and Chen, J.-W. Proceedings of the 13th Symposium on Usable Privacy and Security (SOUPS '17), 2017. To appear.
- The Feasibility of Dynamically Granted Permissions:
Aligning Mobile Privacy with User Preferences
Wijesekera, P., Baokar, A., Tsai, L., Reardon, J., Egelman, S., Wagner, D., and Beznosov, K. Proceedings of the 2017 IEEE Symposium on Security and Privacy (Oakland '17), 2017.
- Do or Do Not, There Is No Try: User Engagement May Not Improve Security Outcomes
Forget, A., Pearman, S., Thomas, J., Acquisti, A., Christin, N., Cranor, L. F., Egelman, S., Harbach, M., and Telang, R. Proc. of the 12th Symposium on Usable Privacy and Security (SOUPS '16), 2016.
- Behavior Ever Follows Intention? A Validation of the Security Behavior Intentions Scale (SeBIS)
Egelman, S., Harbach, M., and Peer, E. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '16), 2016. Honorable Mention!
- The Anatomy of Smartphone Unlocking: A Field Study of Android Lock Screens
Harbach, M., Luca, A. D., and Egelman, S. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '16), 2016. Honorable Mention!
- Keep on Lockin' in the Free World: A Transnational Comparison of Smartphone Locking
Harbach, M., Luca, A. D., Malkin, N., and Egelman, S. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '16), 2016. Honorable Mention!
- The Teaching Privacy Curriculum
Egelman, S., Bernd, J., Friedland, G., and Garcia, D. Proceedings of the 47th ACM technical symposium on Computer Science Education (SIGCSE '16), 2016.
- Android Permissions Remystified: A Field Study on Contextual Integrity
Wijesekera, P., Baokar, A., Hosseini, A., Egelman, S., Wagner, D., and Beznosov, K. 24th USENIX Security Symposium (USENIX Security 15), 2015, Washington, D.C.
- Is This Thing On? Communicating Privacy on Ubiquitous Sensing Platforms
Egelman, S., Kannavara, R., and Chow, R. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '15), 2015, New York, NY, USA.
- Scaling the Security Wall: Developing a Security Behavior Intentions Scale (SeBIS)
Egelman, S., and Peer, E. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '15), 2015, New York, NY, USA. Honorable Mention!
- Fingerprinting Web Users through Font Metrics
Fifield, D., and Egelman, S. Proceedings of the 19th international conference on Financial Cryptography and Data Security (FC'15), 2015.
- Somebody's Watching Me? Assessing the Effectiveness of Webcam Indicator Lights
Portnoff, R., Lee, L., Egelman, S., Mishra, P., Leung, D., and Wagner, D. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '15), 2015, New York, NY, USA.
- Are You Ready to Lock? Understanding User Motivations for Smartphone Locking Behaviors
Egelman, S., Jain, S., Portnoff, R. S., Liao, K., Consolvo, S., and Wagner, D. Proc. of the ACM SIGSAC Conference on Computer & Communications Security (CCS '14), 2014, New York, NY, USA.
- The Effect of Developer-Specified Explanations for Permission Requests on Smartphone User Behavior
Tan, J., Nguyen, K., Theodorides, M., Negron-Arroyo, H., Thompson, C., Egelman, S., and Wagner, D. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '14), 2014, Toronto, Canada.
- The Importance of Being Earnest [in Security Warnings]
Egelman, S., and Schechter, S. Proceedings of the 17th international conference on Financial Cryptography and Data Security (FC'13), 2013, Okinawa, Japan.
- My Profile Is My Password, Verify Me! The Privacy/Convenience Tradeoff of Facebook Connect

Egelman, S. *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '13)*, 2013, Paris, France.

Does My Password Go up to Eleven? The Impact of Password Meters on Password Selection
Egelman, S., Sotirakopoulos, A., Muslukhov, I., Beznosov, K., and Herley, C. *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '13)*, 2013, Paris, France.

When It's Better to Ask Forgiveness than Get Permission: Attribution Mechanisms for Smartphone Resources

Thompson, C., Johnson, M., Egelman, S., Wagner, D., and King, J. *Proceedings of the Ninth Symposium on Usable Privacy and Security (SOUPS '13)*, 2013, Newcastle, United Kingdom.

Android permissions: user attention, comprehension, and behavior

Felt, A. P., Ha, E., Egelman, S., Haney, A., Chin, E., and Wagner, D. *Proceedings of the Eighth Symposium on Usable Privacy and Security (SOUPS '12)*, 2012, Washington, D.C. **Best Paper Award!**

Facebook and privacy: it's complicated

Johnson, M., Egelman, S., and Bellovin, S. M. *Proceedings of the Eighth Symposium on Usable Privacy and Security (SOUPS '12)*, 2012, Washington, D.C.

It's all about the Benjamins: Incentivizing users to ignore security advice

Christin, N., Egelman, S., Vidas, T., and Grossklags, J. *Proceedings of the 15th international conference on Financial Cryptography and Data Security (FC'11)*, 2011, Gros Islet, St. Lucia.

Oops, I did it again: mitigating repeated access control errors on facebook

Egelman, S., Oates, A., and Krishnamurthi, S. *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '11)*, 2011, Vancouver, BC, Canada.

Of passwords and people: measuring the effect of password-composition policies

Komanduri, S., Shay, R., Kelley, P. G., Mazurek, M. L., Bauer, L., Christin, N., Cranor, L. F., and Egelman, S. *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '11)*, 2011, Vancouver, BC, Canada. **Honorable Mention!**

Timing is everything?: the effects of timing and placement of online privacy indicators

Egelman, S., Tsai, J., Cranor, L. F., and Acquisti, A. *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '09)*, 2009, Boston, MA, USA.

It's No Secret: Measuring the Security and Reliability of Authentication via 'Secret' Questions

Schechter, S., Brush, A. J. B., and Egelman, S. *Proceedings of the 2009 IEEE Symposium on Security and Privacy (Oakland '09)*, 2009, Los Alamitos, CA, USA.

It's not what you know, but who you know: a social approach to last-resort authentication

Schechter, S., Egelman, S., and Reeder, R. W. *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '09)*, 2009, Boston, MA, USA.

Crying wolf: an empirical study of SSL warning effectiveness

Sunshine, J., Egelman, S., Almuhammedi, H., Atri, N., and Cranor, L. F. *Proceedings of the 18th USENIX Security Symposium (SSYM'09)*, 2009, Montreal, Canada.

Family accounts: a new paradigm for user accounts within the home environment

Egelman, S., Brush, A. J. B., and Inkpen, K. M. *Proceedings of the 2008 ACM Conference on Computer Supported Cooperative Work (CSCW '08)*, 2008, San Diego, CA, USA.

You've Been Warned: An empirical study of the effectiveness of browser phishing warnings

Egelman, S., Cranor, L. F., and Hong, J. *CHI '08: Proceeding of The 26th SIGCHI Conference on Human Factors in Computing Systems (CHI '08)*, 2008, Florence, Italy. **Honorable Mention!**

Phinding Phish: Evaluating Anti-Phishing Tools

Zhang, Y., Egelman, S., Cranor, L. F., and Hong, J. *Proceedings of the 14th Annual Network & Distributed System Security Symposium (NDSS '07)*, 2007, San Diego, CA.

Power Strips, Prophylactics, and Privacy, Oh My!

Gideon, J., Egelman, S., Cranor, L., and Acquisti, A. *Proceedings of the Second Symposium on Usable Privacy and Security (SOUPS '06)*, 2006, Pittsburgh, PA.

An analysis of P3P-enabled web sites among top-20 search results

Egelman, S., Cranor, L. F., and Chowdhury, A. *Proceedings of the 8th international conference on Electronic commerce: The new e-commerce: innovations for conquering current barriers, obstacles and limitations to conducting successful business on the internet (ICEC '06)*, 2006, Fredericton, New Brunswick, Canada.

refereed workshop publications

Personalized Security Messaging: Nudges for Compliance with Browser Warnings

Malkin, N., Mathur, A., Harbach, M., and Egelman, S. *Proceedings of the European Workshop on Usable Security (EuroUSEC '17)*, 2017.

“Is Our Children’s Apps Learning?” Automatically Detecting COPPA Violations

Reyes, I., Wijesekera, P., Razaghpanah, A., Reardon, J., Vallina-Rodriguez, N., Egelman, S., and Kreibich, C. *The Workshop on Technology and Consumer Protection (ConPro '17)*, 2017.

Information Disclosure Concerns in The Age of Wearable Computing

Lee, L. N., Lee, J. H., Egelman, S., and Wagner, D. *Proceedings of the NDSS Workshop on Usable Security (USEC '16)*, 2016.

The Myth of the Average User:

Improving Privacy and Security Systems through Individualization

Egelman, S., and Peer, E. *Proceedings of the 2015 Workshop on New Security Paradigms (NSPW '15)*, 2015, Twente, The Netherlands.

Teaching Privacy: What Every Student Needs to Know

Friedland, G., Egelman, S., and Garcia, D. *Proceedings of the 46th SIGCSE technical symposium on computer science education (Workshop)*, 2015.

U-PriSM 2: The Second Usable Privacy and Security for Mobile Devices Workshop

Chiasson, S., Crawford, H., Egelman, S., and Irani, P. *Proceedings of the 15th International Conference on Human-computer Interaction with Mobile Devices and Services (MobileHCI '13)*, 2013, Munich, Germany.

Markets for Zero-day Exploits: Ethics and Implications

Egelman, S., Herley, C., and Oorschot, P. C. van *Proceedings of the 2013 Workshop on New Security Paradigms Workshop (NSPW '13)*, 2013, Banff, Alberta, Canada.

Choice Architecture and Smartphone Privacy: There’s A Price for That

Egelman, S., Felt, A. P., and Wagner, D. *The 2012 Workshop on the Economics of Information Security (WEIS '12)*, 2012, Berlin, Germany.

How Good Is Good Enough? The sisyphian struggle for optimal privacy settings

Egelman, S., and Johnson, M. *Proceedings of the Reconciling Privacy with Social Media Workshop (CSCW '12 Workshop)*, 2012, Seattle, WA.

It’s Not Stealing if You Need It: A Panel on the Ethics of Performing Research Using Public Data of Illicit Origin

Egelman, S., Bonneau, J., Chiasson, S., Dittrich, D., and Schechter, S. *Proceedings of the 16th International Conference on Financial Cryptography and Data Security (FC'12)*, 2012.

How to ask for permission

Felt, A. P., Egelman, S., Finifter, M., Akhawe, D., and Wagner, D. *Proceedings of the 7th USENIX conference on Hot Topics in Security (HotSec'12)*, 2012, Bellevue, WA.

I’ve got 99 problems, but vibration ain’t one: a survey of smartphone users’ concerns

Felt, A. P., Egelman, S., and Wagner, D. *Proceedings of the second ACM workshop on Security and privacy in smartphones and mobile devices (SPSM '12)*, 2012, Raleigh, North Carolina, USA.

Toward Privacy Standards Based on Empirical Studies

Egelman, S., and McCallister, E. *The Workshop on Web Tracking and User Privacy (W3C Workshop)*, 2011, Princeton, NJ.

Please Continue to Hold: An Empirical Study on User Tolerance of Security Delays

Egelman, S., Molnar, D., Christin, N., Acquisti, A., Herley, C., and Krishnamurthi, S. *Proceedings (on-*

line) of the 9th Workshop on Economics of Information Security (WEIS '10), 2010, Cambridge, MA.

Tell Me Lies: A Methodology for Scientifically Rigorous Security User Studies

Egelman, S., Tsai, J., and Cranor, L. F. *Proceedings of the Workshop on Studying Online Behavior (CHI '10 Workshop)*, 2010, Atlanta, GA.

This is Your Data on Drugs: Lessons Computer Security Can Learn from the Drug War

Molnar, D., Egelman, S., and Christin, N. *Proceedings of the 2010 Workshop on New Security Paradigms (NSPW '10)*, 2010, Concord, Massachusetts, USA.

Security user studies: methodologies and best practices

Egelman, S., King, J., Miller, R. C., Ragouzis, N., and Shehan, E. *CHI '07 Extended Abstracts on Human Factors in Computing Systems (CHI EA '07)*, 2007, San Jose, CA, USA.

The Effect of Online Privacy Information on Purchasing Behavior: An Experimental Study

Tsai, J., Egelman, S., Cranor, L., and Acquisti, A. *Proceedings of the 2007 Workshop on the Economics of Information Security (WEIS '07)*, 2007, Pittsburgh, PA, USA.

Studying the Impact of Privacy Information on Online Purchase Decisions

Egelman, S., Tsai, J., Cranor, L. F., and Acquisti, A. *Proceedings of the Workshop on Privacy and HCI: Methodologies for Studying Privacy Issues (CHI '06 Workshop)*, 2006, Montreal, Canada.

book chapters and magazine articles

Predicting Privacy and Security Attitudes

Egelman, S., and Peer, E. *Computers and Society*, 2015, ACM.

Crowdsourcing

Egelman, S., Chi, E., and Dow, S. *Ways of Knowing in HCI*, 2013, Springer.

Helping users create better passwords

Ur, B., Kelley, P. G., Komanduri, S., Lee, J., Maass, M., Mazurek, M., Passaro, T., Shay, R., Vidas, T., Bauer, L., Christin, N., Cranor, L. F., Egelman, S., and Lopez, J. *login: 2012*, USENIX Association.

Suing Spammers for Fun and Profit

Egelman, S. *login: 2004*, USENIX Association.

Installation

Egelman, S. *Peter Norton's Complete Guide to Linux*, 1999, Macmillan Computer Publishing.

User Administration

Egelman, S. *Peter Norton's Complete Guide to Linux*, 1999, Macmillan Computer Publishing.

awards and recognition

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|------|--|--|
| 2017 | Senior Member | Association for Computing Machinery (ACM) |
| 2016 | Symposium on Usable Privacy and Security (SOUPS) Distinguished Poster Award | <i>Risk Compensation in Home-User Computer Security Behavior: A Mixed-Methods Exploratory Study</i> , with S. Pearman, A. Kumar, N. Munson, C. Sharma, L. Slyper, L. Bauer, and N. Christin. |
| | CHI Honorable Mention Award (Best Paper Nominee) | <i>Behavior Ever Follows Intention? A Validation of the Security Behavior Intentions Scale (SeBIS)</i> , with M. Harbach and E. Peer. |
| | CHI Honorable Mention Award (Best Paper Nominee) | <i>The Anatomy of Smartphone Unlocking: A Field Study of Android Lock Screens</i> , with M. Harbach and A. De Luca. |
| | CHI Honorable Mention Award (Best Paper Nominee) | <i>Keep on Lockin' in the Free World: A Transnational Comparison of Smartphone Locking</i> , with M. Harbach, A. De Luca, and N. Malkin. |

- 2015 **CHI Honorable Mention Award (Best Paper Nominee)**
Scaling the Security Wall: Developing a Security Behavior Intentions Scale, with E. Peer.
- 2012 **AIS Best Publication of 2011**
The Effect of Online Privacy Information on Purchasing Behavior: An Experimental Study, with J. Tsai, L. Cranor, and A. Acquisti.
- ISR Best Published Paper**
The Effect of Online Privacy Information on Purchasing Behavior: An Experimental Study, with J. Tsai, L. Cranor, and A. Acquisti.
- SOUPS Best Paper Award**
Android Permissions: User Attention, Comprehension, and Behavior, with A. P. Felt, E. Ha, A. Haney, E. Chin, and D. Wagner.
- 2011 **CHI Honorable Mention Award (Best Paper Nominee)**
Of Passwords and People: Measuring the Effect of Password-Composition Policies, with S. Komanduri, R. Shay, P. G. Kelley, M. Mazurek, L. Bauer, N. Christin, and L. F. Cranor.
- 2008 **CHI Honorable Mention Award (Best Paper Nominee)**
You've Been Warned: An Empirical Study on the Effectiveness of Web Browser Phishing Warnings, with L. Cranor and J. Hong.
- 2006 **Tor Graphical User Interface Design Competition**
Phase 1 Overall Winner, with L. Cranor, J. Hong, P. Kumaraguru, C. Kuo, S. Romanosky, J. Tsai, and K. Vaniea.
- Publisher's Clearing House Finalist**
I may already be a winner.

expert testimony and reports

- 2016 Expert witness for the FTC in *Federal Trade Commission vs. Amazon.com, Inc., No. C14-1038-JCC*, providing testimony on human-computer interaction (HCI) evaluation methods and critiquing opposing expert's report.
- 2014-2015 Expert witness for the plaintiffs in *Doe vs. Twitter, Inc., No. CGC-10-503630*, providing explanations of relevant privacy research on users' willingness to pay for privacy in order to assist in quantifying damages.
- 2014 Expert witness for the plaintiffs in *13-cv-22122-Martinez/Goodman (S.D. Florida)*, providing written testimony on basic human-computer interaction concepts as they relate to smartphone usage.
- 2013 Expert witness for the plaintiffs in *LinkedIn User Privacy Litigation, No. 12-cv-03088-EJD (N.D. Cal.)*, providing explanations of information security concepts and providing original research on users' privacy expectations in order to demonstrate and quantify damages.
- 2012 Expert witness for the plaintiffs in *Netflix Privacy Litigation, No. 5:11-cv-00379-EJD (N.D. Cal.)*, providing explanations of relevant privacy research and the economics of information privacy in order to quantify damages.

grants awarded

2017	CLTC: Secure & Usable Backup Authentication Co-PI (PI: David Wagner, University of California, Berkeley)	\$48,400
2016 - 2017	NSF: Teaching Security in CSP (CNS-1636590) Co-PI (PI: Julia Bernd, ICSI)	\$200,000
2016 - 2017	DHS: A Platform for Contextual Mobile Privacy (FA8750-16-C-0140) Principal Investigator	\$664,378
2016	CLTC: The Security Behavior Observatory Principal Investigator	\$100,000
2016	CLTC: Using Individual Differences to Tailor Security Mitigations Principal Investigator	\$100,000
2015 - 2018	NSF/BSF: Using Individual Differences to Personalize Security Mitigations (CNS-1528070/BSF-2014626) Principal Investigator (Collaborative with Eyal Peer, Bar-Ilan University)	\$724,732
2015 - 2019	NSF: Security and Privacy for Wearable and Continuous Sensing Platforms (CNS-1514211/1514457/1513584) Principal Investigator (Collaborative with David Wagner, University of California, Berkeley; and Franziska Roesner, University of Washington)	\$1,200,000
2014 - 2016	NSF: Teachers' Resources for Online Privacy Education (DGE-1419319) Co-PI (PI: Gerald Friedland, ICSI)	\$300,000
2014 - 2017	NSA: User Security Behavior Subcontract (PIs: Lorrie Cranor, Rahul Telang, Alessandro Acquisti, and Nicholas Christin; Carnegie Mellon University)	\$200,000
2014	Google: Improving Security Warnings by Examining User Intent Principal Investigator	\$71,500
2013 - 2015	NSF: Designing Individualized Privacy and Security Systems (CNS-1343433/1343451) Principal Investigator (Collaborative with Eyal Peer, Carnegie Mellon University)	\$132,620
2013 - 2016	NSF: A Choice Architecture for Mobile Privacy and Security (CNS-1318680) Co-PI (PI: David Wagner, University of California, Berkeley)	\$500,000
2010	Google: Designing Usable Certificate Dialogs in Chrome Principal Investigator	\$60,000

professional activities

program committees

2017	ACM SIGCHI (Human Factors in Computing Systems); USENIX Security; Privacy Enhancing Technologies Symposium (PETS); New Security Paradigms Workshop (NSPW), Co-Chair ; Workshop on Economics and Information Security (WEIS); ACM Conference on Computer and Communications Security (CCS); Symposium on Usable Privacy and Security (SOUPS)
2016	Workshop on the Economics of Information Security (WEIS), Chair ; New Security Paradigms Workshop (NSPW), Co-Chair ; ACM SIGCHI (Human Factors in Computing Systems); USENIX Security; Symposium on Usable Privacy and Security (SOUPS); ACM WWW; Financial Cryptography and Data Security; Privacy Enhancing Technologies Symposium (PETS)
2015	Symposium on Usable Privacy and Security (SOUPS); USENIX Security; ACM SIGCHI (Human Factors in Computing Systems); Privacy Enhancing Technologies Symposium (PETS); Workshop on the Economics of Information Security (WEIS); ACM WWW; Financial Cryptography and Data Security
2014	ACM SIGCHI (Human Factors in Computing Systems); Financial Cryptography and Data Security; ACM WWW; Privacy Enhancing Technologies Symposium (PETS)
2013	ACM SIGCHI (Human Factors in Computing Systems); Symposium on Usable Privacy and Security (SOUPS); New Security Paradigms Workshop (NSPW); Anti-Phishing Working Group eCrime Researchers Summit
2012	Symposium on Usable Privacy and Security (SOUPS); New Security Paradigms Workshop (NSPW)
2011	Symposium On Usable Privacy and Security (SOUPS); New Security Paradigms Workshop (NSPW); Computers, Freedom, and Privacy (CFP) Conference (poster session co-chair); Software and Usable Security Aligned for Good Engineering (SAUSAGE) Workshop, Co-Chair
2010	Symposium On Usable Privacy and Security (SOUPS)
2008	Conference on Information and Knowledge Management (CIKM)
2007	ACM SIGCHI Workshop - Security User Studies: Methodologies and Best Practices; Anti-Phishing Working Group eCrime Researchers Summit (poster session co-chair)
2006	Computers, Freedom, and Privacy (CFP) Conference

standards committees

2007-2008	W3C Web Security Context (WSC) Working Group
2004-2006	W3C Platform for Privacy Preferences (P3P) 1.1 Working Group

leadership roles

2012-Now	Director, Berkeley Laboratory for Usable and Experimental Security (BLUES)
2006-2008	Legislative Concerns Chair / Board of Directors, National Association of Graduate and Professional Students (NAGPS)
2006-2008	Vice President for External Affairs, Carnegie Mellon Graduate Student Assembly

teaching

- Spring 2017 **Human Factors in Computer Security and Privacy** Brown University
Instructor for a module on “user interfaces for security” as part of the Executive Masters in Cybersecurity program. Duties included course design and development, grading assignments and exams, supervising thesis projects, and holding office hours.
- Fall 2007 **Information Security & Privacy (46-861)** Carnegie Mellon University
Teaching assistant duties included developing course materials (topics for lectures, assignments, and exams), grading assignments and exams, holding office hours, and mentoring students about semester-long projects.
- Spring 2006 **Computers and Society (15-290)** Carnegie Mellon University
Teaching assistant duties included giving guest lectures, creating assignments and exams, grading assignments and exams, holding office hours, and mentoring students about semester-long projects.
- Fall 2003 **Information Security (CS 451)** University of Virginia
Teaching assistant duties included giving guest lectures, creating assignments and exams, grading assignments and exams, and holding office hours.
- Fall 2003 **Intellectual Property (TCC 200)** University of Virginia
Teaching assistant duties included grading assignments and holding office hours.
- Spring 2003,
Spring 2004 **Advanced Software Development Methods (CS 340)** University of Virginia
Teaching assistant duties included grading assignments and exams, and holding office hours.
- Fall 2002 **Engineering Software (CS 201J)** University of Virginia
Teaching assistant duties included grading assignments and holding office hours.