Blase Eric Ur

Contact Information

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Research Area

Security & Privacy; Human-Computer Interaction (HCI); Usable Security & Privacy

Education

Carnegie Mellon University (School of Computer Science), Pittsburgh, PA

Ph.D. in Societal Computing, 2016
M.S. in Computation, Organizations, and Society, 2014

- Advisor: Lorrie Faith Cranor
- Thesis: "Supporting Password-Security Decisions with Data"
- Thesis Committee: Alessandro Acquisti (CMU); Lujo Bauer (CMU); Lorrie Faith Cranor (CMU); Jason Hong (CMU); Michael K. Reiter (UNC Chapel Hill)

Harvard University (Faculty of Arts and Sciences), Cambridge, MA

A.B. in Computer Science, Cum Laude, 2007

- Recommended by the Computer Science department for "High Honors in Computer Science"
- Thesis: "Privacy in Social Networking: A Usability Study of Privacy Interfaces for Facebook"
- Primary Thesis Advisors: Michael D. Smith and Rachna Dhamija

Honors and Awards

- CHI 2017: Best Paper Award for "Design and Evaluation of a Data-Driven Password Meter"
- USENIX Security Symposium 2016: Best Paper Award for "Fast, Learn, and Accurate..."
- Neubauer Family Assistant Professorship (Junior Chair) at the University of Chicago (awarded 2016)
- 2016 John Karat Usable Privacy and Security Student Research Award
- CHI 2016: Best Paper Honorable Mention for "Do Users' Perceptions..."
- SOUPS 2015: Distinguished Poster Award for "You Can Do Better..."
- UbiComp 2014: Best Paper Award for "Intruders Versus Intrusiveness..."
- 2014 DEF CON CMIYC password-cracking contest: 1st place (Team CMU) in non-professional division
- PSOSM 2013: Best Presentation Award
- "Smart, Useful, Scary, Creepy..." was selected as one of eight leading papers in the Future of Privacy Forum's 2012 *Privacy Papers for Policy Makers*
- "Why Johnny Can't Opt Out..." was selected as one of four notable mentions in the Future of Privacy Forum's 2012 *Privacy Papers for Policy Makers*
- CHI 2012: Best Paper Honorable Mention for "Why Johnny Can't Opt Out..."
- Harvard Office for the Arts 2007 Louise Donovan Award ("Unsung Hero")

Grants and Fellowships

- 2015 Data Transparency Lab Grant to Lorrie Faith Cranor and Blase Ur to investigate "Providing Users Data-Driven Privacy Awareness" [€50,000]
- 2015 Microsoft Research gift in support of IoT research with Michael Littman at Brown [$15,000]
- 2012 - 2015 NDSEG (National Defense Science & Engineering Graduate) Fellowship [Full tuition, fees, stipend, and health insurance for three years of graduate study]
- 2012 Yahoo! Key Scientific Challenges Award [$5,000]
- 2011 and 2012 Honorable Mentions for NSF Graduate Research Fellowship
- 2010-2011 U.S. Department of State Fulbright Scholarship to Hungary [9 months of full support]

Peer-Reviewed Conference Publications

Blase Ur, Felicia Alfieri, Maung Aung, Lujo Bauer, Nicolas Christin, Jessica Colnago, Lorrie Faith Cranor, Henry Dixon, Pardis Emami Naeini, Hana Habib, Noah Johnson, William Melicher. Design and Evaluation of a Data-Driven Password Meter. In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (**CHI '17**)*, Denver, CO, 2017. **Best Paper Award**.

Joshua Tan, Lujo Bauer, Joseph Bonneau, Lorrie Faith Cranor, Jeremy Thomas, **Blase Ur**. Can Unicorns Help Users Compare Crypto Key Fingerprints? In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (**CHI '17**)*, Denver, CO, 2017.

William Melicher, **Blase Ur**, Sean M. Segreti, Saranga Komanduri, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor. Fast, Lean, and Accurate: Modeling Password Guessability Using Neural Networks. In *Proceedings of the 25th USENIX Security Symposium (**USENIX Security '16**)*, Austin, TX, 2016. **Best Paper Award**.

Blase Ur, Jonathan Bees, Sean M. Segreti, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor. Do Users' Perceptions of Password Security Match Reality?. In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (**CHI '16**)*, San Jose, CA, 2016. **Honorable Mention for Best Paper**.

Blase Ur, Melwyn Pak Yong Ho, Stephen Brawner, Jiyun Lee, Sarah Mennicken, Noah Picard, Diane Schulze, Michael L. Littman. Trigger-Action Programming in the Wild: An Analysis of 200,000 IFTTT Recipes (Short paper). In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (**CHI '16**)*, San Jose, CA, 2016.

William Melicher, Darya Kurilova, Sean M. Segreti, Pranshu Kalvani, Richard Shay, **Blase Ur**, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor, Michelle L. Mazurek. Usability and Security of Text Passwords on Mobile Devices. In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (**CHI '16**)*, San Jose, CA, 2016.

Blase Ur, Sean M. Segreti, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor, Saranga Komanduri, Darya Kurilova, Michelle L. Mazurek, William Melicher, Richard Shay. Measuring Real-World Accuracies and Biases in Modeling Password Guessability. In *Proceedings of the 24th USENIX Security Symposium (**USENIX Security '15**)*, Washington, DC, 2015.

Blase Ur, Fumiko Noma, Jonathan Bees, Sean M. Segreti, Richard Shay, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor. "I Added '!' at the End to Make It Secure": Observing Password Creation in the Lab. In *Proceedings of the Eleventh Symposium On Usable Privacy and Security (**SOUPS '15**)*, Ottawa, Canada, 2015.

Richard Shay, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor, Alain Forget, Saranga Komanduri, Michelle L. Mazurek, William Melicher, Sean M. Segreti, **Blase Ur**. A Spoonful of Sugar? The Impact of Guidance and Feedback on Password-Creation Behavior. In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (**CHI '15**)*, Seoul, South Korea, 2015.

Blase Ur, Jaeyeon Jung, Stuart Schechter. Intruders Versus Intrusiveness: Teens' and Parents' Perspectives on Home-Entryway Surveillance. In *Proceedings of the 2014 ACM International Joint Conference on Pervasive and Ubiquitous Computing (**UbiComp '14**)*, Seattle, WA, 2014. **Best Paper Award**.

Lorrie Faith Cranor, Adam L. Durity, Abigail Marsh, **Blase Ur**. Parents' and Teens' Perspectives on Privacy In a Technology-Filled World. In *Proceedings of the Tenth Symposium On Usable Privacy and Security (**SOUPS '14**)*, Menlo Park, CA, 2014.

Blase Ur, Elyse McManus, Melwyn Pak Yong Ho, Michael L. Littman. Practical Trigger-Action Programming in the Smart Home. In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (**CHI '14**)*, Toronto, Canada, 2014.

Richard Shay, Saranga Komanduri, Adam L. Durity, Philip (Seyoung) Huh, Michelle L. Mazurek, Sean M. Segreti, **Blase Ur**, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor. Can Long Passwords be Secure and Usable? In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (**CHI '14**)*, Toronto, Canada, 2014.

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. In *Proceedings of the 20th ACM Conference on Computer and Communications Security (**CCS '13**)*, Berlin, Germany, 2013.

Pedro G. Leon, **Blase Ur**, Yang Wang, Manya Sleeper, Rebecca Balebako, Richard Shay, Lujo Bauer, Mihai Christodorescu, Lorrie Faith Cranor. What Matters to Users? Factors that Affect Users' Willingness to Share Information with Online Advertisers. In *Proceedings of the Ninth Symposium On Usable Privacy and Security (**SOUPS '13**)*, Newcastle, United Kingdom, 2013.

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

Blase Ur, Patrick Gage Kelley, Saranga Komanduri, Joel Lee, Michael Maass, Michelle Mazurek, Timothy Passaro, Richard Shay, Timothy Vidas, Lujo Bauer, Nicolas Christin, and Lorrie Faith Cranor. How Does Your Password Measure Up? The Effect of Strength Meters on Password Creation. In *Proceedings of the 21st USENIX Security Symposium (**USENIX Security '12**)*, Bellevue, WA, 2012.

Blase Ur, Pedro G. Leon, Lorrie Faith Cranor, Richard Shay, Yang Wang. Smart, Useful, Scary, Creepy: Perceptions of Online Behavioral Advertising. In *Proceedings of the Eight Symposium On Usable Privacy and Security (**SOUPS '12**)*, Washington, DC, 2012.

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

Pedro G. Leon, **Blase Ur**, Rebecca Balebako, Lorrie Faith Cranor, Richard Shay, Yang Wang. Why Johnny Can't Opt Out: A Usability Evaluation of Tools to Limit Online Behavioral Advertising. In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (**CHI '12**)*, Austin, TX, 2012. **Honorable Mention for Best Paper**.

Peter F. Klemperer, Yuan Liang, Michelle L. Mazurek, Manya Sleeper, **Blase Ur**, Lujo Bauer, Lorrie Faith Cranor, Nitin Gupta, Michael K. Reiter. Tag, You Can See It! Using Tags for Access Control in Photo Sharing. In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (**CHI '12**)*, Austin, TX, 2012.

Blase Ur and Yang Wang. Online Social Networks in a Post-Soviet State: How Hungarians Protect and Share on Facebook. In *Proceedings of iConference 2012 (**iConference '12**)*, Toronto, Canada, 2012.

Jordan Ash, Monica Babes, Gal Cohen, Sameen Jalal, Sam Lichtenberg, Michael Littman, Phillip Quiza, **Blase Ur**, Emily Zhang. Scratchable Devices: User-Friendly Programming for Household Appliances. In *HCI International (**HCII '11**)*, Orlando, FL, 2011.

PEER-REVIEWED JOURNAL PUBLICATIONS

Lorrie Faith Cranor, Pedro Giovanni Leon, **Blase Ur**. A Large-Scale Evaluation of U.S. Financial Institutions' Standardized Privacy Notices. *ACM Transactions on the Web (**TWEB**)*, Volume 10, Number 3, Article 17, 2016.

Richard Shay, Saranga Komanduri, Adam L. Durity, Philip (Seyoung) Huh, Michelle L. Mazurek, Sean M. Segreti, **Blase Ur**, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor. Designing Password Policies for Strength and Usability. *ACM Transactions on Information and System Security (**TISSEC**)*, Volume 18, Number 4, Article 13, 2016.

Blase Ur, Manya Sleeper, Lorrie Faith Cranor. {Privacy, Privacidad, Приватност} Policies in Social Media: Providing Translated Privacy Notice. ***I/S**: A Journal of Law and Policy for the Information Society*, Volume 9, Number 2, 2013.

Saranga Komanduri, Richard Shay, Greg Norcie, **Blase Ur**, Lorrie Faith Cranor. AdChoices? Compliance with Online Behavioral Advertising Notice and Choice Requirements. ***I/S**: A Journal of Law and Policy for the Information Society*, Volume 7, Number 3, 2012.

PEER-REVIEWED WORKSHOP PUBLICATIONS

Hana Habib, Jessica Colnago, William Melicher, **Blase Ur**, Sean Segreti, Lujo Bauer, Nicolas Christin, Lorrie Faith Cranor. Password Creation in the Presence of Blacklists. In *Proceedings of the NDSS Workshop on Usable Security 2017 (**USEC '17**)*, San Diego, CA, 2017.

Florian Schaub, Aditya Marella, Pranshu Kalvani, **Blase Ur**, Chao Pan, Emily Forney, Lorrie Faith Cranor. Watching Them Watching Me: Browser Extensions' Impact on User Privacy Awareness and Concern. In *Proceedings of the NDSS Workshop on Usable Security 2016 (**USEC '16**)*, San Diego, CA, 2016.

Yuan Tian, Bin Liu, Weisi Dai, **Blase Ur**, Patrick Tague, and Lorrie Faith Cranor. Supporting Privacy-Conscious App Update Decisions with User Reviews. In *Proceedings of the 5th Annual ACM CCS Workshop on Security and Privacy in Smartphones and Mobile Devices (**SPSM '15**)*, Denver, CO, 2015.

Chandrasekhar Bhagavatula, **Blase Ur**, Kevin Iacovino, Su Mon Kywe, Lorrie Faith Cranor, Marios Savvides. Biometric Authentication on iPhone and Android: Usability, Perceptions, and Influences on Adoption. In *Proceedings of the NDSS Workshop on Usable Security 2015 (**USEC '15**)*, San Diego, CA, 2015.

Lujo Bauer, Lorrie Faith Cranor, Saranga Komanduri, Michelle L. Mazurek, Michael K. Reiter, Manya Sleeper, **Blase Ur**. The Post Anachronism: The Temporal Dimension of Facebook Privacy. In *Proceedings of the 12th ACM Workshop on Privacy in the Electronic Society (**WPES '13**)*, Berlin, Germany, 2013.

Blase Ur, Jaeyeon Jung, Stuart Schechter. The Current State of Access Control for Smart Devices in Homes. In *Workshop on Home Usable Privacy and Security (**HUPS '13**)*, Newcastle, United Kingdom, 2013.

Lorrie Faith Cranor, Kelly Idouchi, Pedro Giovanni Leon, Manya Sleeper, **Blase Ur**. Are They Actually Any Different? Comparing Thousands of Financial Institutions' Privacy Practices. In *Workshop on the Economics of Information Security (**WEIS '13**)*, Washington, DC, 2013.

Blase Ur and Yang Wang. A Cross-Cultural Framework for Protecting User Privacy in Online Social Media. In *Proceedings of the WWW Workshop on Privacy and Security in Online Social Media (**PSOSM '13**)*, Rio de Janeiro, Brazil, 2013.

Pedro G. Leon, Justin Cranshaw, Lorrie Faith Cranor, Jim Graves, Manoj Hastak, **Blase Ur**, Guzi Xu. What Do Online Behavioral Advertising Disclosures Communicate to Users? In *Proceedings of the 11th ACM Workshop on Privacy in the Electronic Society (**WPES '12**)*, Raleigh, NC, 2012.

Rebecca Balebako, Pedro Leon, Richard Shay, **Blase Ur**, Lorrie Faith Cranor. Measuring the Effectiveness of Privacy Tools for Limiting Behavioral Advertising. In *Web 2.0 Security and Privacy (**W2SP '12**)*, San Francisco, CA, 2012.

Blase Ur, Manya Sleeper, Lorrie Faith Cranor. {Privacy, Privacidad, Приватност} Policies in Social Media: Providing Translated Privacy Notice. In *Proceedings of the WWW Workshop on Privacy and Security in Online Social Media (**PSOSM '12**)*, Lyon, France, 2012.

Blase Ur and Vinod Ganapathy. Evaluating Attack Amplification in Online Social Networks. In *Web 2.0 Security and Privacy (**W2SP '09**)*, Oakland, CA, 2009.

Theses

Blase Ur. Supporting Password-Security Decisions with Data. Carnegie Mellon University, Ph.D. Dissertation, CMU-ISR-16-110, 2016.

Blase Ur. Privacy in Social Networking: A Usability Study of Privacy Interfaces for Facebook. Harvard University Undergraduate Honors Thesis, 2007.

Book Chapters

Lorrie Faith Cranor, Manya Sleeper, **Blase Ur**. Chapter 5: Tracking and Surveillance. In *Introduction to IT Privacy: A Handbook for Technologists* (Travis Breaux, Executive Editor). IAPP, 2014.

Position Papers and Magazine Articles

Blase Ur. Position Paper: The Heterogeneous, Evolving Smart Home: Friend or Foe? *CHI Smart For Life Workshop on Designing Smart Home Technologies that Evolve with Users*, Seoul, South Korea, 2015.

Blase Ur. Position Paper: Maintaining Privacy when Big Data Comes Home. *CSCW Workshop on The Future of Networked Privacy: Challenges and Opportunities*, Vancouver, BC, Canada, 2015.

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 López. Helping Users Create Better Passwords. *USENIX ;login:* 37:7, December 2012.

Rebecca Balebako, Pedro G. Leon, **Blase Ur**. Position Paper for W3C DNT Workshop. *W3C Workshop: Do Not Track and Beyond*, Berkeley, CA, 2012.

Posters

David Eargle, John Godfrey, Hsin Miao, Scott Stevenson, Richard Shay, **Blase Ur**, Lorrie Faith Cranor. You Can Do Better Motivational Statements in Password-Meter Feedback (Poster). *Eleventh Symposium On Usable Privacy and Security (SOUPS '15)*, Ottawa, Canada, 2015. **Distinguished Poster Award**

Shing-hon Lau, Stephen Siena, Ashutosh Pandey, Sroaj Sosothikul, Lorrie Faith Cranor, **Blase Ur**, Richard Shay. Exploring the Usability of Pronounceable Passwords (Poster). *Tenth Symposium On Usable Privacy and Security (SOUPS '14)*, Menlo Park, CA, 2014.

Aditya Marella, Chao Pan, Ziwei Hu, Florian Schaub, **Blase Ur**, Lorrie Faith Cranor. Assessing Privacy Awareness from Browser Plugins (Poster). *Tenth Symposium On Usable Privacy and Security (SOUPS '14)*, Menlo Park, CA, 2014.

Yuan Tian, Bin Liu, Weisi Dai, Lorrie Faith Cranor, **Blase Ur**. Study on Users' Attitudes and Behaviors Toward Android Application Update Notification (Poster). *Tenth Symposium On Usable Privacy and Security (SOUPS '14)*, Menlo Park, CA, 2014.

Chandrasekhar Bhagavatula, Kevin Iacovino, Su Mon Kywe, Lorrie Faith Cranor, **Blase Ur**. Usability Analysis of Biometric Authentication Systems on Mobile Phones (Poster). *Tenth Symposium On Usable Privacy and Security (SOUPS '14)*, Menlo Park, CA, 2014.

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

Jordan Ash, Monica Babes, Gal Cohen, Sameen Jalal, Michael Littman, Luis Piloto, Phillip Quiza, **Blase Ur**. Scratchable Devices (Poster). *Scratch@MIT*, 2010.

Invited Talks

- Data Transparency Lab, 11/2015, Boston, MA. "Providing Users Data-Driven Privacy Awareness"
- Passwords15, 8/2015, Las Vegas, NV. "Towards Standardizing...Password Guessability"
- CMU Privacy Seminar, 11/2014, Pittsburgh, PA. "Privacy in Smart Homes"
- Passwords14, 8/2014, Las Vegas, NV. "The Continuing Quest for Secure and Usable Passwords"
- CMU Green Computing course, April 2014, Pittsburgh, PA. "Programming and Privacy in Smart Homes"
- Brown University, 4/2014, Providence, Rhode Island. "Practical Trigger-Action Programming..."
- Brown University, 2/2013, Providence, Rhode Island. "Helping Users Create Better Passwords"
- W3C Do Not Track and Beyond Workshop, 11/2012, Berkeley, California. Panelist on "User Studies"

Selected Media Coverage and Policy Impact

- Mass Media: Vice Motherboard (5/13/16), Nature (5/11/16), New Scientist (11/25/15), USA Today (8/31/15), Pittsburgh Post-Gazette (6/14/15), Forbes (4/21/15), Times of India (4/29/14), TechXplore (4/3/14), ACM Tech News (3/25/14), Ars Technica (11/8/13), Forbes (10/17/13), MIT Technology Review Blog (4/4/12), PC World (3/29/12), USA Today (12/29/11), Consumer Reports (10/31/11), Wall Street Journal Blog (10/31/11), ZDNet (10/17/11), New York Times (10/15/11)
- Public policy citations: FTC "Protecting Consumer Privacy in an Era of Rapid Change" report (3/26/12), Alessandro Acquisti's testimony to the U.S. House of Representatives (10/13/11)

Selected Teaching Experience

Carnegie Mellon University, Pittsburgh, PA **Spring 2014, Spring 2015**

Teaching Assistant / Co-Instructor for Usable Privacy and Security (05-436 / 05-836 / 08-534 / 08-734)

- I was TA and co-instructor for "Usable Privacy and Security." Lorrie Cranor and I split the lectures for the course, which covers experimental design and security/privacy technologies. I mentored half of the group research projects and also wrote/graded assignments. I also co-wrote the syllabus and reading list.
- Sample student evaluations (Spring 2014):
  The instructor was interested in student learning. **4.45 / 5** (CMU mean: 4.13)
  Lectures or discussions were clearly organized. **4.30 / 5** (CMU mean: 4.01)
  Lectures or recitations helped you better understand the course material. **4.10 / 5** (CMU mean: 3.99)
- Sample free-text student evaluations: "Blase was fun and engaging. He clearly cares about the subject, and was able to spread his passion." "Excellent at leading in class discussions."

Carnegie Mellon University, Pittsburgh, PA **Spring 2015**

Teaching Assistant for Secure Software Systems course

- I was TA for Secure Software Systems, which covers attacks (buffer overflows, SQL injection, XSS), yet focuses on defenses for making software systems secure. These defenses include architectural solutions (e.g., trusted computing), language-based security (e.g., type systems and proof-carrying code), software analysis (e.g., static analysis, model checking), and run-time analysis (e.g., dynamic taint tracking).
- Two other TAs and I wrote and graded the assignments and exams, in addition to assisting students at office hours. I also gave a guest lecture on bounded model checking.
- Sample student evaluations (Spring 2015):
  Teaching Assistant was knowledgeable about subject matter. **4.68 / 5** (CMU mean: 4.37)
  Given the choice, I would work with this Teaching Assistant again. **4.64 / 5** (CMU mean: 4.18)
  Teaching Assistant was engaging. **4.60 / 5** (CMU mean: 4.25)
- Sample free-text student evaluations: "Overall, he's very dedicated to teaching, and he's one of the best TAs I ever met. After 2 semesters, I have had 16 TAs, and Blase would tie to #1 with only 2 others." "Blase is a great lecturer." "Blase is really knowledgable and can articulate complex concepts with ease."

Rutgers University, New Brunswick, New Jersey **September 2008 - August 2010**
Lecturer

- Developed all course materials, supervised staff of TAs, and gave all lectures for 14:440:127, "Introduction to Computers for Engineers." The course introduced programming in the Matlab language, data analysis, and numerical methods. It was required for all engineering students; cumulative enrollment exceeded 1,700 students across 6 sessions (Fall '08/'09, Spring '09/'10, Summer I '10, Summer III '10).
- Example Instructor Ratings (Spring 2009):
  I rate the teaching effectiveness of the instructor as: **4.24 / 5** (Rutgers undergraduate mean: 3.79)
  The instructor responded effectively to student comments and questions: **4.47 / 5** (Rutgers mean: 4.09)

EMPLOYMENT

University of Chicago, Chicago, IL **January 2017 – present**
Neubauer Family Assistant Professor of Computer Science

Carnegie Mellon University, Pittsburgh, PA **July 2011 – August 2016**
Ph.D. Student

Microsoft Research, Redmond, WA **May 2013 – August 2013**
Research Intern

Rutgers University School of Engineering, New Brunswick, NJ **August 2007 – August 2010**
Program Development Specialist, Senior Project Coordinator

VOLUNTEER SERVICE

Carnegie Mellon University, Pittsburgh, PA **September 2011 – August 2016**

- Taught "Computational Thinking" and "Computer Security" for up to to twenty middle school students at the Pittsburgh Science & Technology Academy twice weekly.
- Frequently presented at local high schools as part of the Women@SCS Roadshow program.
- Advised three MS students (Felicia Alfieri, Adam Durity, Fumiko Noma), six undergraduates (Benjamin Alderoty, Maung Aung, Amrith Deepak, Harold Dixon, Kelly Idouchi, Rupal Nahar), and six high-school students (Jonathan Bees, Shane Cranor, Brett Hubbard, Ashwin Srinivasan, John Tran, Jerome Williams).

American Corner (U.S. Department of State), Debrecen, Hungary **September 2010 – May 2011**

- Presented careers in technology, women in science, and American culture at high schools across Hungary.

Harvard Radcliffe Dramatic Club, Cambridge, MA **September 2003 – June 2007**
President (2006) and Technical Liaison (2004, 2005)

- Led one of Harvard's largest student organizations, involving 800 students in 50 yearly productions.
- Founded "Tech Week" workshops, the Visiting Light Designer Project, and Production Photo Archive.
- Served as light/sound/set designer, technical director, or master rigger on over 50 dramatic productions.

PROGRAM COMMITTEES

- USENIX Security Symposium (USENIX Security '17)
- ACM Conference on Computer and Communications Security (ACM CCS '17)
- Symposium on Usable Privacy and Security (SOUPS '17)
- World Wide Web Conference (WWW '17)
- IEEE European Symposium on Security and Privacy (EuroS&P '17)
- Usable Security Mini Conference (USEC '17)
- European Workshop on Usable Security (EuroUSEC '17, EuroUSEC '16)
- International Workshop on Privacy Engineering (IWPE '16)
- Who Are You?! Adventures in Authentication Workshop (WAY '16)

Additional Professional Service

- Co-organizer: SOUPS 2016 tutorial ("Introduction to Password Cracking and Research on Passwords")
- External reviewer for the following conferences: ACM CCS (2014); CHI (2013, 2014, 2015, 2016, 2017); CSF (2016); INTERACT (2015); MobileHCI (2016); NDSS (2015, 2016); SOUPS (2014, 2015, 2016); SOUPS Poster Jury (2017); UbiComp (2014, 2015)
- External reviewer for the following journals: CACM (2017); Computers and Security (2015, 2016); IEEE Pervasive Computing (2015); Information Systems Research (2015, 2016); TDSC (2013, 2014); TIFS (2014, 2015); TISSEC/TOPS (2016); TOCHI (2016); TOIT (2017)

Skills and Certifications

- Certifications: IAPP Certified Information Privacy Technologist (CIPT)
- Programming: C++, Java, Lisp, Matlab, Perl, PHP, Processing, Web (HTML5/CSS, Javascript, JQuery)
- Languages: English (native), Hungarian, Spanish
- Applications: LaTeX, Multitrack Audio (Cakewalk Sonar, Sony Sound Forge), Photoshop, Video Editing
- Skills: Electric & Upright Bass, Guitar, Hammered Dulcimer, Drums, Photography, Carpentry, Theatrical Light/Sound/Set Design

References

- Lujo Bauer (Carnegie Mellon University); Lorrie Faith Cranor (Carnegie Mellon University); Michael Littman (Brown University); Michael Reiter (University of North Carolina, Chapel Hill)