

- Summary** I am a policy analyst with deep technical expertise in software development, privacy, and security. I enjoy policy research at the intersection of computer science, psychology, and behavioral economics.
- 3 years of international experience in project management and teaching computer skills.
 - 10 years of software development experience.
- Education**
- Carnegie Mellon University, Engineering and Public Policy
PhD Engineering and Public Policy, December 2014
Thesis *Identifying and Communicating the Risks of Smartphone Data Sharing*
Advisor: Professor Lorrie Faith Cranor
- Harvard University, Cambridge, MA.
Masters in Liberal Arts (A.L.M.) in Software Engineering, November 2004
Thesis: *Using Distributed Computing to solve the 0-1 Knapsack Problem*
- Mount Holyoke College, South Hadley, MA.
Bachelors (B.A.) cum laude
Majors: Mathematics and Asian Studies, June 1997
- Work Experience**
- Information Scientist* August 2014-January 2015
RAND Corporation, Pittsburgh, PA
Participated in policy analysis projects involving cyber and security. Created programming models of policy problems to do analysis of complex problems.
- Postdoctoral Researcher* August 2014-December 2014
School of Computer Science, Carnegie Mellon University, Pittsburgh, PA
Led research projects on privacy notices. Co-taught class on privacy and law.
- Graduate Student Researcher* August 2011-August 2014
Engineering and Public Policy, Carnegie Mellon University, Pittsburgh, PA
While completing academic requirements for a doctoral degree, initiated and led research projects leading to several publications.
- Intern* May-August 2012
Technology and Policy Group, Microsoft, Redmond, WA
Developed a smartphone application to notify users about data sharing. Completed a 19-person lab usability study to test and improve interface. Worked closely with Microsoft Research and Technology and Policy Group to define and implement this prototype.
- Product Manager* 2009-2010
Tradenet (Esoko), Accra, Ghana
Led collaborative effort between software, QA, and marketing teams. Designed product specifications for mobile and web applications. Initiated, organized, and analyzed usability studies.
- ICT Advisor* 2007-2009
Peace Corps Small Enterprise Development Program, Togo

Directed projects using information and communication technology to further community's goals. Triggered adoption of computer curriculum in local high schools, including training teachers and designing courses, directly reaching over 150 students and 10 teachers. Initiated, budgeted, and ran first computer camp for high schoolers in the country.

Software Engineer 2004-2007
Stanford University, Global Climate and Energy Project, Stanford, CA
Developed and managed software toolkit for analysis of energy systems, including creating a module to analyze the thermodynamics of Carbon Dioxide. Trained and mentored 8 engineering students on software development practices. Launched and ran usability studies and tracked user experiences, resulting in faster, responsive website.

Web Programmer and Developer 2001-2004
Harvard University, Faculty of Arts and Sciences Web Team, Cambridge, MA
Developed multiple high priority and high demand web applications, including initiating transfer of course-evaluations from paper to web across Harvard College. Initiated integrating unit testing and usability testing into the development process.

Web Developer 2000-2001
MyCounsel.com, Boston, MA
Created dynamic web pages and applications for the consumer web site and administrative back-end using Microsoft Active Server Pages and SQLServer.

Software Analyst 1999-2000
EPICON, Inc., Waltham, MA
Analyzed all aspects of Office 97 installations for a product that allowed management of corporate installations and software updates.

Research Associate 1997-1999
Dragon Systems, Newton, MA
Designed and managed automated tests for voice recognition software in German, Spanish, French, Italian, American and UK English. Ran usability studies for children's version of software.

Technical Skills Programming: C++, Java, Perl, MATLAB, PHP, r, python
Databases: mySQL, Oracle, postgresQL, splunk
Other Specialties: project management, usability studies, web design, human factors

Publications "Is Notice Enough: Mitigating the Risks of Smartphone Data Sharing"
Balebako, R., Bravo-Lillo, C., Cranor, L. *I/S: A Journal of Law and Policy for the Information Society*, forthcoming

"The Privacy and Security Behaviors of Smartphone App Developers"
Balebako, R., Marsh, A., Lin, J., Hong, J., Cranor, L. *2014 NDSS Workshop on Usable Security (USEC)*

"Is Your Inseam a Biometric? A Case Study on the Role of Usability Studies in Developing Public Policy"
Balebako, R., Shay, R., Cranor, L. *2014 Workshop on Usable Security (USEC)*

"Is it the typeset or the type of statistics? Disfluent font does not reduce self-disclosure"
Balebako, R., Pe'er, E., Brandimarte, L., Cranor, L., Acquisti, A., *In Proc. of the*

2013 Workshop on Learning from Authoritative Security Experiment Results.

“Little Brothers Watching You:’ Raising Awareness of Data Leaks on Smartphones”
Balebako, R., Jung, J., Lu, W., Cranor, L., Nguyen, C., *In Proc. of the 2013 Symposium on Usable Privacy and Security*

“Measuring the Effectiveness of Privacy Tools for Limiting Behavioral Advertising”
Balebako, R., Leon, P., Shay, R., Ur, B., Wang, Y. and Cranor L. , *IEEE Security & Privacy Workshop on Web 2.0 for Security and Privacy 2012*

“Nudging Users Towards Privacy on Mobile Devices”
Balebako, R., Leon, P., Almuhimedi, H., Kelley, P.G., Mugan, J., Acquisti, A., Cranor, L.F., and Sadeh, N. *Proc. of CHI 2011, Workshop on Persuasion, Influence, Nudge & Coercion through mobile devices.*

“Variations in Tracking in Relation to Geographic Location”
Fruchter, N., Miao, H., Stevenson, S, **Balebako, R.**, *IEEE Security & Privacy Workshop on Web 2.0 for Security and Privacy 2015*

“What Matters to Users? Factors that Affect Users’ Willingness to Share Information with Online Advertisers”
Leon, P., Ur, B., Wang, Y., Sleeper, M., **Balebako, R.**, Shay, R., Bauer, L., Christodorescu, M., Cranor, L. *In Proc. of the 2013 Symposium on Usable Privacy and Security*

“The post that wasn’t: Exploring self-censorship on Facebook.”
Sleeper, M., **Balebako, R.**, Das, S., McConahy, A., Wiese, J., and Cranor, L. *Proc. of Computer Supported Collaborative Work (2013).*

“Why Johnny Can’t Opt Out: A Usability Evaluation of Tools to Limit Online Behavioral Advertising.”
Leon, P., Ur, B., **Balebako, R.**, Cranor, L., Shay, R., and Wang, Y. *Proc. of CHI 2012 (Best Paper, Honorable Mention)*

Honors and Recognition

2014 Carnegie Mellon Graduate Student Service Award
2014 Bertucci Graduate Fellowship
2013 Google Anita Borg Scholarship Recipient
2010-2012 NSF Integrative Graduate Education and Research Traineeship Program
Certificate in Usable Privacy and Security

Teaching Experience

Teaching Assistant, Carnegie Mellon University
Privacy, Policy, Law, and Technology, Fall 2014
Engineering Privacy for Software, Spring 2014
Privacy in the Digital Age, Fall 2013
Engineering and Public Policy 101, Spring 2013

Relevant Coursework

Human Judgement and Decision Making
Experimental Design in Behavioral and Social Sciences
Applied Data Analysis
Applied Machine Learning
Quantitative Methods in Policy Analysis
Theory and Practice of Policy Analysis

Global Competitiveness and Innovation
Microeconomics

Languages English, French (Fluent), German (Proficient)

Involvement and Hobbies Soccer coach for community recreation league in Pittsburgh, 2012-2014
Department representative for Graduate Student Assembly, 2013- 2014
Advocate for family leave program for graduate student-parents.