

# Ada Lerner

Pronouns: she/her or they/them

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<b>RESEARCH SUMMARY</b>	My research combines measurement, system building, and user studies in order to support the security and privacy needs of all people in our free society.
<b>EDUCATION</b>	<p><b>University of Washington</b>, Seattle, Washington, USA Doctor of Philosophy (Ph.D.), Computer Science and Engineering Jun 2017 Master of Science (M.S.), Computer Science and Engineering Jan 2014</p> <p><b>Amherst College</b>, Amherst, Massachusetts, USA Bachelor of Arts (B.A.), Computer Science Dec 2009</p>
<b>PROFESSIONAL EXPERIENCE</b>	<p><b>Wellesley College</b>, Wellesley, Massachusetts, USA Assistant Professor Jul 2017 – Present</p> <p><b>University of Washington</b>, Seattle, Washington, USA Research Assistant, Security &amp; Privacy Research Lab Jun 2012 – Jun 2017</p> <p><b>De Novo Group</b>, Berkeley, California, USA Lead Developer and Researcher Mar 2014 – Jan 2015</p> <p><b>University of Washington</b>, Seattle, Washington, USA Research Assistant, Networks and Mobile Systems Lab Sep 2011 – Dec 2011</p> <p><b>Amherst College</b>, Amherst, Massachusetts, USA Research Assistant Sep 2009 – Dec 2009, Sep 2007 – Dec 2007</p>
<b>TEACHING EXPERIENCE</b>	<p><b>Wellesley College</b>, Computer Science Department Instructor, CS 342 (Computer Security and Privacy) Spring 2018 Instructor, CS 230 (Data Structures) Spring 2018 Instructor, CS 230 (Data Structures) Fall 2017</p> <p><b>University of Washington</b>, Paul G. Allen School of Computer Science and Engineering Primary Instructor, CSE 484 (Computer Security and Privacy) Fall 2016 Guest Lecturer, CSE 484 (Computer Security and Privacy) Nov 2015 Teaching Assistant, CSE 484 (Computer Security and Privacy) Fall 2013 Teaching Assistant, CSE 451 (Operating Systems) Fall 2012</p>
<b>REFEREED PUBLICATIONS</b>	<p>“Computer Security and Privacy for Refugees in the United States” Lucy Simko, <a href="#">Ada Lerner</a>, Samia Ibtasam, Franziska Roesner, and Tadayoshi Kohno. To appear, IEEE Symposium on Security and Privacy 2018, May 2018.</p> <p>“Rewriting History: Changing the Archived Web from the Present” <a href="#">Ada Lerner</a>, Franziska Roesner, and Tadayoshi Kohno. ACM Conference on Computer and Communications Security (CCS) Nov 2017.</p> <p>“Confidante: Usable Encrypted Email - A Case Study With Lawyers and Journalists.” <a href="#">Ada Lerner</a>, Eric Zeng, and Franziska Roesner. 2nd IEEE European Symposium on Security and Privacy (EuroS&amp;P). Apr 2017.</p> <p>“Internet Jones and the Raiders of the Lost Trackers: An Archaeological Study of Web Tracking from 1996 to 2016.” <a href="#">Ada Lerner</a>, Anna Kornfeld Simpson, Tadayoshi Kohno, and Franziska Roesner. 25th USENIX Security Symposium, Aug 2016.</p> <p>“Analyzing the Use of Quick Response Codes in the Wild.” <a href="#">Ada Lerner</a>, Alisha Saxena, Kirk Ouimet, Ben Turley, Anthony Vance, Tadayoshi Kohno, Franziska Roesner. 13th International Conference on Mobile Systems, Applications, and Services (MobiSys), May 2015.</p> <p>“Cryptographic Currencies from a Tech-Policy Perspective: Policy Issues and Technical Directions.” Emily McReynolds, <a href="#">Ada Lerner</a>, Will Scott, Franziska Roesner, and Tadayoshi Kohno. 2nd Workshop on Bitcoin Research, Jan 2015.</p>

“Control-Alt-Hack: The Design and Evaluation of a Card Game for Computer Security Awareness and Education.” Tamara Denning, [Ada Lerner](#), Adam Shostack, and Tadayoshi Kohno. In Proceedings of ACM Conference on Computer and Communications Security (CCS '13) Nov 2013.

**SUBMITTED PUBLICATIONS** “Toward Understanding the Privacy Needs of Marginalized Populations” [Ada Lerner](#), Roberto Hoyle. In submission, Networked Privacy Workshop at CHI 2018. Apr 2018.

**TECHNICAL REPORTS & NON-REFEREED PUBLICATIONS** “Excavating Web Trackers Using Web Archaeology”, ;login: The USENIX Magazine, Winter 2016, Vol. 41, No. 4. [Ada Lerner](#), Anna Kornfeld-Simpson, Tadayoshi Kohno, Franziska Roesner. Dec 2016.

“Rangzen: Anonymously Getting The Word Out In a Blackout.” Giulia Fanti, [Ada Lerner](#), Yahel Ben-David, Barath Raghavan. Jan 2015.

**MENTORSHIP**

<b>Mitali Palekar</b> , Sophomore, CSE, UW • Developer on a usable security research prototype.	Oct 2016 – Jun 2017
<b>Eric Zeng</b> , 5th Year Masters Student, CSE, UW • Researcher, developer, and co-author on a usable security research prototype.	Sep 2015 – Sep 2016
<b>Jesus Garcia</b> , Junior, EECS, UC Berkeley • Android developer focusing on UI aspects of a research prototype.	Jun 2014 – May 2015

**CONFERENCE TALKS** “Rewriting History: Changing the Archived Web from the Present.” ACM Conference on Computer and Communications Security (CCS), Nov 2017.

“Internet Jones and the Raiders of the Lost Trackers: An Archaeological Study of Web Tracking from 1996 to 2016.” 25th USENIX Security Symposium, Aug 2016.

“Analyzing the Use of Quick Response Codes in the Wild.” 13th International Conference on Mobile Systems, Applications, and Services (MobiSys). May 2015.

**INVITED TALKS**

National Forum on Ethics & Archiving the Web Integrity and Compromise Panelist and Moderator	Mar 2018
Northeastern University College of Computer and Information Science	Nov 2017

**PROFESSIONAL SERVICE/ DEVELOPMENT**

Member, Wellesley College CS Department Inclusivity Committee	Oct 2017 – Present
Member, UW CSE Diversity Committee	Nov 2016 – Jun 2017
Member, Program Committee for the Security and Privacy Research Track of the 26th World Wide Web Conference (WWW)	Oct 2016
Participant, Strengthening STEM through Diversity Workshop	Oct 2016
Panel Member, UW CSE New Graduate Student Orientation	Sep 2016
Attendee, WA State Access to Justice Board’s Technology & Justice Symposium	Sep 2016
Participant, New Educator’s Workshop, SIGCSE ’16	Mar 2016
Activity Leader, UW CSE Computing Open House for Middle/High School Students	Dec 2015
External Reviewer, ACM Human Factors in Computing Systems (CHI) ’16	Nov 2015
Scribe, USENIX Security ’15 PC meeting	May 2015
Mentor, New Grad Mentor Program, University of Washington CSE	2013 – 2014
Attendee, UW/MSR Summer Institute 2014 on Security Analytics	Jul 2014

<b>HONORS/AWARDS</b>	Faculty Research Award (Amount: \$3000) Wellesley College	Oct 2017
	Student Travel Grant Recipient USENIX Security 2016	Aug 2016
	The American Maritime History Prize Williams-Mystic Maritime Studies Program	Dec 2008
	The Richard M. Foose Scholarship Amherst College, Department of Geology	May 2007

**SKILLS**

**PROGRAMMING LANGUAGES** C, C++, CSS, HTML, Java, Javascript, Matlab, Perl, Python, SQL.

**TOOLS AND SYSTEMS** Android development tools, Chrome extension development, Electron, iPython/iPython Notebook, L<sup>A</sup>T<sub>E</sub>X, Matplotlib, MongoDB, Node.js, Numpy, PostgreSQL, React.js, Unity.