

# Ada Lerner

Pronouns: she/her or they/them

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<b>EMPLOYMENT</b>	<b>Wellesley College</b> , Wellesley, Massachusetts, USA Assistant Professor of Computer Science	Jun 2017 – Present
<b>EDUCATION</b>	<b>University of Washington</b> , Seattle, Washington, USA Ph.D. in Computer Science and Engineering • Advisors: Professors Tadayoshi Kohno and Franziska Roesner • Research areas: Computer security and privacy, web tracking, usable security Master of Science (M.S.) in Computer Science and Engineering	Jun 2017 Jan 2014
	<b>Amherst College</b> , Amherst, Massachusetts, USA Bachelor of Arts (B.A.) in Computer Science	Dec 2009
<b>RESEARCH EXPERIENCE</b>	<b>University of Washington</b> , Seattle, Washington, USA Research Assistant, Security & Privacy Research Lab • Built measurement tools, designed and ran user studies, and analyzed large scale data. • Mentored undergraduate, master's, and PhD students through research projects. <b>De Novo Group</b> , Berkeley, California, USA Lead Developer and Researcher • Designed and led development of an Android prototype of a system for covert communication. • Mentored an undergraduate researcher. <b>University of Washington</b> , Seattle, Washington, USA Research Assistant, Networks and Mobile Systems Lab • Developed software prototypes of routers (using Click) in C++ for a novel Internet architecture. <b>Amherst College</b> , Amherst, Massachusetts, USA Research Assistant • Developed a cache simulator in Java. • Experimentally explored the security properties of RFID-enabled ID cards.	Jun 2012 – Present Mar 2014 – Jan 2015 Sep 2011 – Dec 2011 Sep 2009 – Dec 2009, Sep 2007 – Dec 2007
<b>TEACHING EXPERIENCE</b>	<b>University of Washington</b> , Computer Science and Engineering Primary Instructor, CSE 484 (Computer Security and Privacy) • Prepared and taught a senior-level course on computer security and privacy. Guest Lecturer, CSE 484 (Computer Security and Privacy) • Developed and taught unit of course on web tracking. Teaching Assistant, CSE 484 (Computer Security and Privacy) Teaching Assistant, CSE 451 (Operating Systems) • Designed and prepared labs, led discussion sections, assisted students in office hours, graded exams.	Sep 2016 – Dec 2016 Nov 2015 Sep 2013 – Dec 2013 Sep 2012 – Dec 2012
<b>REFEREED PUBLICATIONS</b>	“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&P). Apr 2017. “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. “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. “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. “Control-Alt-Hack: The Design and Evaluation of a Card Game for Computer Security Awareness and Education.” Tamara Denning, <a href="#">Ada Lerner</a> , Adam Shostack, and Tadayoshi Kohno. In Proceedings of ACM Conference on Computer and Communications Security (CCS '13) Nov 2013.	

<b>TECHNICAL REPORTS &amp; NON-REFEREED PUBLICATIONS</b>	<p>“Excavating Web Trackers Using Web Archaeology”, ;login: The USENIX Magazine, Winter 2016, Vol. 41, No. 4. <a href="#">Ada Lerner</a>, Anna Kornfeld-Simpson, Tadayoshi Kohno, Franziska Roesner. Dec 2016.</p> <p>“Rangzen: Anonymously Getting The Word Out In a Blackout.” Giulia Fanti, <a href="#">Ada Lerner</a>, Yahel Ben-David, Barath Raghavan. Jan 2015.</p>
<b>MENTORSHIP</b>	<p><b>Mitali Palekar</b>, Sophomore, CSE, UW Oct 2016 – Jun 2017</p> <ul style="list-style-type: none"> <li>• Developer on a usable security research prototype.</li> </ul> <p><b>Eric Zeng</b>, 5th Year Masters Student, CSE, UW Sep 2015 – Present</p> <ul style="list-style-type: none"> <li>• Researcher, developer, and co-author on a usable security research prototype.</li> </ul> <p><b>Jesus Garcia</b>, Junior, EECS, UC Berkeley Jun 2014 – May 2015</p> <ul style="list-style-type: none"> <li>• Android developer focusing on UI aspects of a research prototype.</li> </ul>
<b>CONFERENCE TALKS</b>	<p>“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.</p> <p>“Analyzing the Use of Quick Response Codes in the Wild.” 13th International Conference on Mobile Systems, Applications, and Services (MobiSys). May 2015.</p>
<b>PROFESSIONAL SERVICE/ DEVELOPMENT</b>	<p>Member, UW CSE Diversity Committee Nov 2016 – Jun 2017</p> <p>Member, Program Committee for the Security and Privacy Research Track of the 26th World Wide Web Conference (WWW) Oct 2016</p> <p>Participant, Strengthening STEM through Diversity Workshop Oct 2016</p> <p>Panel Member, UW CSE New Graduate Student Orientation Sep 2016</p> <p>Attendee, WA State Access to Justice Board’s Technology &amp; Justice Symposium Sep 2016</p> <p>Participant, New Educator’s Workshop, SIGCSE ’16 Mar 2016</p> <p>Activity Leader, UW CSE Computing Open House for Middle/High School Students Dec 2015</p> <p>External Reviewer, ACM Human Factors in Computing Systems (CHI) ’16 Nov 2015</p> <p>Scribe, USENIX Security ’15 PC meeting May 2015</p> <p>Mentor, New Grad Mentor Program, University of Washington CSE 2013 – 2014</p> <p>Attendee, UW/MSR Summer Institute 2014 on Security Analytics Jul 2014</p>
<b>HONORS/AWARDS</b>	<p>USENIX Student Travel Grant Recipient Aug 2016</p> <p>USENIX Security 2016</p> <p>The American Maritime History Prize Dec 2008</p> <p>Williams-Mystic Maritime Studies Program</p> <p>The Richard M. Foose Scholarship May 2007</p> <p>Amherst College, Department of Geology</p>
<b>OTHER WORK EXPERIENCE</b>	<p><b>Boston College</b>, Boston, Massachusetts, USA</p> <p>Computer Security Intern Jun 2009 – Aug 2009</p> <ul style="list-style-type: none"> <li>• Wrote additions and modifications to network monitoring and reporting tools.</li> <li>• Participated in management of systems that monitored end-user anti-virus software usage.</li> </ul> <p><b>Advanced Veterinary Technology</b>, New York, USA</p> <p>Contractor Feb 2008 – Jun 2008</p> <ul style="list-style-type: none"> <li>• Advised company software developers on usability and functionality of their MRI viewing software.</li> </ul> <p><b>Five Colleges Incorporated</b>, Amherst, Massachusetts, USA</p> <p>System Administrator Aug 2007 – Dec 2009</p> <ul style="list-style-type: none"> <li>• Maintained Linux web servers, advised program director on purchasing new servers.</li> </ul>
<b>SKILLS</b>	<p><b>PROGRAMMING LANGUAGES</b> C, C++, CSS, HTML, Java, Javascript, Matlab, Perl, Python, SQL.</p> <p><b>TOOLS AND SYSTEMS</b> 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.</p>