

Ada (Adam) Lerner

Pronouns: she/her or they/them

Computer Science & Engineering, University of Washington, Box 352350, Seattle, WA 98195, USA
lerner@cs.washington.edu • +1 (845) 380-6808 • <http://homes.cs.washington.edu/~lerner>

EDUCATION

University of Washington, Seattle, Washington, USA
Ph.D. Candidate in Computer Science and Engineering Jan 2012 – Present
• Advisers: 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 Jan 2014
Amherst College, Amherst, Massachusetts, USA
Bachelor of Arts (B.A.) in Computer Science Sep 2005 – Dec 2009

RESEARCH EXPERIENCE

University of Washington, Seattle, Washington, USA
Research Assistant, Security & Privacy Research Lab Jun 2012 – Present
• Built measurement tools, designed and ran user studies, and analyzed large scale data.
• Mentored undergraduate, master's, and PhD students through research projects.
De Novo Group, Berkeley, California, USA
Lead Developer and Researcher Mar 2014 – Jan 2015
• Designed and led development of an Android prototype of a system for covert communication.
• Mentored an undergraduate researcher.
University of Washington, Seattle, Washington, USA
Research Assistant, Networks and Mobile Systems Lab Sep 2011 – Dec 2011
• Developed software prototypes of routers (using Click) in C++ for a novel Internet architecture.
Amherst College, Amherst, Massachusetts, USA
Research Assistant Sep 2009 – Dec 2009, Sep 2007 – Dec 2007
• Developed a cache simulator in Java.
• Experimentally explored the security properties of RFID-enabled ID cards.

TEACHING EXPERIENCE

University of Washington, Computer Science and Engineering
Primary Instructor, CSE 484 (Computer Security and Privacy) Sep 2016 – Dec 2016
• Prepared and taught a senior-level course on computer security and privacy.
Guest Lecturer, CSE 484 (Computer Security and Privacy) Nov 2015
• Developed and taught unit of course on web tracking.
Teaching Assistant, CSE 484 (Computer Security and Privacy) Sep 2013 – Dec 2013
Teaching Assistant, CSE 451 (Operating Systems) Sep 2012 – Dec 2012
• Designed and prepared labs, led discussion sections, assisted students in office hours, graded exams.

REFEREED PUBLICATIONS

“Confidante: Usable Encrypted Email - A Case Study With Lawyers and Journalists.” [Adam Lerner](#), 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.” [Adam Lerner](#), Anna Kornfeld Simpson, Tadayoshi Kohno, and Franziska Roesner. 25th USENIX Security Symposium, Aug 2016.
“Analyzing the Use of Quick Response Codes in the Wild.” [Adam Lerner](#), 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, [Adam Lerner](#), 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, [Adam Lerner](#), Adam Shostack, and Tadayoshi Kohno. In Proceedings of ACM Conference on Computer and Communications Security (CCS '13) Nov 2013.

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