

Education

- University of Colorado, Boulder, CO** **GPA: 3.99**
PhD in Computer Science - Computer Systems Research Group **Spring 2016**
Areas of Research: Security and Privacy, Operating Systems, Networking
- Tufts University, Medford, MA** **GPA: 3.59**
BS in Electrical Engineering, Minor in Computer Science **May 2011**
Honors: Magna Cum Laude - Engineering Dean's List

Employment

- Twitter, Inc - Boulder, CO** **September 2016 - Present**
Senior Security Engineer - Enterprise Security Team
- Senior engineer in Infrastructure Security Consulting Group, providing guidance for other teams on topics such as Full Disk Encryption, TPM and boot security, authentication and access control, etc (2019-)
 - Tech lead for the Infrastructure Security Automation and Tooling Group (2017-2019)
- University of Colorado - Boulder, CO** **August 2011 - August 2016**
Teaching and Graduate Assistant - Dept. of Computer Science
- Designed and administered a variety of educational technology systems for 1000+ CS students
- Center for Democracy and Technology - Washington, DC** **May 2015 - July 2015**
Policy Technologist - Hatfield Summer Scholar
- Represented security researchers in triannual 17 U.S.C. §1201 (DMCA) proceeding
 - Led CDT efforts to reform Wassenaar export control rules related to encryption and security tools
- SolidFire, Inc - Boulder CO** **May 2013 - May 2014**
Development Team Intern
- Created virtualization-based test and prototyping environment for SSD-backed SAN product
- Symplified, Inc - Boulder CO** **June 2012 - August 2012**
Development Team Intern
- Implemented reverse-proxy-based Kerberos and NTLM authentication systems
- WMFO 91.5 FM - Tufts Freeform Radio - Medford, MA** **December 2008 - May 2011**
General Manager
- Oversaw 15 member Executive Board managing a 200 staff-member community radio station
- Charles Stark Draper Laboratory - Cambridge, MA** **June 2010 - August 2010**
Navigation Engineering Intern - Draper Lab Scholar Program Member
- Designed and implemented multi-node distributed ranging navigation simulation
- MIT Lincoln Laboratory - Lexington, MA** **June 2009 - August 2009**
Radar Engineering Intern
- Designed, implemented, and tested network-centric radar (ROSA) software test suite
- Special Application Robotics - Loveland, CO** **May 2008 - August 2008**
Controls Engineering Intern
- Designed, built, and programmed PIC embedded system brushless DC motor control boards

Skills

Computer: InfoSec, Linux, Networking, Cloud Infrastructure, Virtualization, Systems Administration

Programming: Python, C, Assembly, BASH

Other: DevOps, Leadership, Public Policy, Agile Development, Open Source

Awards

TPRC 44 Student Paper Award - First Place	2016
Hatfield Summer Scholarship for Public Policy and Service	2015
CU "Best Should Teach" Silver Award for Service as CU CS Lead TA	2014
CU CS Outstanding Teaching Assistant for TAing Operating Systems Course	2013
Tufts Alumni Association Senior Award for Academics and Leadership	2011
IEEE TePRA Student Robotics Competition - Second Place	2009
Tufts IEEE EE14 Microcontroller Design Project - First Place	2008
College Board National AP Scholar	2007

Involvement

TPRC Program Committee Member, Student Paper Chair	2018 - Present
ACM Member	2013 - Present
USENIX Member	2013 - Present
ACLU, CDT, and EFF Supporter	2012 - Present
CU IT Student Advisory Board Co-chair	2014 - 2016
CU Hacking Club Coordinator and Hacking Team Coach	2012 - 2016
Tufts Formula Hybrid Racing Team - Lead Electrical Engineer	2009 - 2010

Selected Publications

Andy Sayler, et. al. *Tutamen: A Next-Generation Secret Storage Platform*. Symposium on Cloud Computing, 2016. Santa Clara, CA.

Andy Sayler. *Categorizing, Analyzing, and Managing Third Party Trust*. TPRC 44, 2016. Arlington, VA.

Andy Sayler. *Securing Secrets and Managing Trust in Modern Computing Applications*. PhD Dissertation. University of Colorado, Dept. of Computer Science. 2016. Boulder, CO.

Andy Sayler, Dirk Grunwald. *Custos: Increasing Security with Secret Storage as a Service*. Proceedings of the 2nd Conference on Timely Results in Operating Systems, 2014. Broomfield, CO.

Andy Sayler, Dirk Grunwald, et. al. *Supporting CS Education via Virtualization and Packages: Tools for Successfully Accommodating "Bring Your Own Device" at Scale*. SIGCSE, 2014. Atlanta, GA.

Andy Sayler, Eric Keller, and Dirk Grunwald. *Jobber: Automating Inter-Tenant Trust in The Cloud*. Presented at the 5th USENIX Workshop on Hot Topics in Cloud Computing, 2013. San Jose, CA.

Andy Sayler. *Network Anonymity Through "MAC Swapping"*. An article in 2600: The Hacker Quarterly, Volume 28, Issue 3, Autumn 2011. Middle Island, NY.

Additional Information

Personal Website:	https://www.andysayler.com
Github Projects:	https://github.com/asayler
LinkedIn Profile:	https://www.linkedin.com/pub/andrew-sayler/20/8/79a
Google Scholar:	https://scholar.google.com/citations?user=n7fSFLIAAAAJ&hl