

## Education

<b>University of Colorado, Boulder, CO</b>	<b>GPA: 3.99</b>
PhD in Computer Science - Computer Systems Research Group	<b>Spring 2016</b>
MS in Computer Science - Computer Systems Research Group	<b>Fall 2013</b>
<b>Areas of Research:</b> Security and Privacy, Operating Systems, Networking	
<b>Tufts University, Medford, MA</b>	<b>GPA: 3.59</b>
BS in Electrical Engineering, Minor in Computer Science	<b>May 2011</b>
Honors: Magna Cum Laude - Engineering Dean's List	<b>Fall 2007 - Spring 2011</b>

## Employment

<b>University of Colorado - Boulder, CO</b>	<b>August 2011 - July 2016</b>
<i>Teaching and Graduate Assistant - Dept. of Computer Science</i>	
<ul style="list-style-type: none"><li>• Designed and administered a variety of educational technology systems for 1000+ CS students</li><li>• Taught Computer Systems, Operating Systems, and Development Methods and Tools courses</li></ul>	
<b>Center for Democracy and Technology - Washington, DC</b>	<b>June 2015 - August 2015</b>
<i>Policy Technologist - Hatfield Summer Scholar</i>	
<ul style="list-style-type: none"><li>• Represented security researchers in triannual 17 U.S.C. §1201 (DMCA) proceeding</li><li>• Led CDT efforts to reform Wassenaar export control rules related to encryption and security tools</li></ul>	
<b>SolidFire, Inc - Boulder CO</b>	<b>June 2013 - May 2014</b>
<i>Development Team Intern</i>	
<ul style="list-style-type: none"><li>• Created virtualization-based test and prototyping environment for SSD-backed SAN product</li></ul>	
<b>Simplified, Inc - Boulder CO</b>	<b>June 2012 - August 2012</b>
<i>Development Team Intern</i>	
<ul style="list-style-type: none"><li>• Implemented reverse-proxy-based Kerberos and NTLM authentication systems</li></ul>	
<b>WMFO 91.5 FM - Tufts Freeform Radio - Medford, MA</b>	<b>December 2008 - May 2011</b>
<i>General Manager</i>	
<ul style="list-style-type: none"><li>• Oversaw 15 member Executive Board managing a 200 staff-member community radio station</li></ul>	
<b>Charles Stark Draper Laboratory - Cambridge, MA</b>	<b>June 2010 - August 2010</b>
<i>Navigation Engineering Intern - Draper Lab Scholar Program Member</i>	
<ul style="list-style-type: none"><li>• Designed and implemented multi-node distributed ranging navigation simulation</li></ul>	
<b>MIT Lincoln Laboratory - Lexington, MA</b>	<b>June 2009 - August 2009</b>
<i>Radar Engineering Intern</i>	
<ul style="list-style-type: none"><li>• Designed, implemented, and tested network-centric radar (ROSA) software test suite</li></ul>	
<b>Special Application Robotics - Loveland, CO</b>	<b>May 2008 - August 2008</b>
<i>Controls Engineering Intern</i>	
<ul style="list-style-type: none"><li>• Designed, built, and programmed PIC embedded system brushless DC motor control boards</li></ul>	

## Skills

**Computer:** Linux, Networking, Security, Firewalls, Virtualization, Systems Administration

**Programming:** Python, C, C++, Assembly, BASH, LLVM, MATLAB

**Other:** DevOps, Leadership, Public Policy, Agile Development, Free Software

## Awards

Hatfield Summer Scholarship for Public Policy and Service	<b>2015</b>
CU “Best Should Teach” Silver Award for Service as CU CS Lead TA	<b>2014</b>
CU CS Outstanding Teaching Assistant for TAing Operating Systems Course	<b>2013</b>
Tufts Alumni Association Senior Award for Academics and Leadership	<b>2011</b>
IEEE TePRA Student Robotics Competition - Second Place	<b>2009</b>
Eta Kappa Nu Inductee	<b>2009</b>
Tufts IEEE EE14 Microcontroller Design Project - First Place	<b>2008</b>
College Board National AP Scholar	<b>2007</b>

## Involvement

ACM Member	<b>2013 - Present</b>
USENIX Member	<b>2013 - Present</b>
EFF Supporter	<b>2012 - Present</b>
IEEE Member	<b>2008 - Present</b>
Large Format Photographer and Darkroom Tech	<b>2007 - Present</b>
CU IT Student Advisory Board Co-chair	<b>2014 - 2016</b>
CU Hacking Club Coordinator and Hacking Team Coach	<b>2012 - 2016</b>
Tufts Formula Hybrid Racing Team - Lead Electrical Engineer	<b>2009 - 2010</b>

## Selected Publications

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*. Proceedings of the 45th ACM Technical Symposium on Computer Science Education, 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:	<a href="https://www.andysayler.com">https://www.andysayler.com</a>
Github Projects:	<a href="https://github.com/asayler">https://github.com/asayler</a>
LinkedIn Profile:	<a href="https://www.linkedin.com/pub/andrew-sayler/20/8/79a">https://www.linkedin.com/pub/andrew-sayler/20/8/79a</a>
YouTube Channel:	<a href="https://www.youtube.com/user/AndrewSayler">https://www.youtube.com/user/AndrewSayler</a>
Google Scholar:	<a href="https://scholar.google.com/citations?user=n7fSFLIAAAAJ&amp;hl">https://scholar.google.com/citations?user=n7fSFLIAAAAJ&amp;hl</a>