

# Andy Sayler

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## Education

**University of Colorado, Boulder, CO**

**GPA: 3.99**

PhD in Computer Science - Computer Systems Research Group

***Fall 2011 - In Progress***

**Areas of Interest:** Operating Systems, Software Defined Networking, Computer Security

**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

***Fall 2007 - Spring 2011***

## Employment

**University of Colorado - Boulder, CO**

***August 2011 - Present***

*Teaching and Graduate Assistant - Dept. of Computer Science - Systems Research Group*

- Lead tutoring program and related efforts to add additional undergraduate support systems
- Taught weekly recitation lectures for Computer Systems and Operating Systems courses.

**Symplified, Inc - Boulder CO**

***June 2012 - August 2012***

*Network Authentication Intern*

- Implemented reverse-proxy based Kerberos and NTLM authentication systems
- Integrated new authentication systems with existing SSO and identity management product

**WMFO 91.5 FM - Tufts Freeform Radio - Medford, MA**

***December 2008 - May 2011***

*Elected General Manager (Two Terms), Audio Engineer, Producer, and DJ*

- Oversaw 15 member Executive Board managing a 200 staff-member community radio station
- Secured funding for and managed station-wide physical renovation and technology overhaul

**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, programmed, 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:** Linux, git, make, gcc, gdb, valgrind, Wireshark, LaTeX, Apache, MATLAB, OpenFlow

**Programming:** C, C#, C++, Python, x86/AMD64 Assembly, BASH, Java, LabVIEW, LLVM

**Equipment:** Oscilloscope, Spectrum Analyzer, Network Analyzer, Protocol Analyzer, CNC Machinery

**Other:** Agile Development, Windows/Linux/Network Related IT Administration

## Awards

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

Large Format Photographer and Darkroom Tech	<b>2007 - Present</b>
IEEE Denver/Boston Section Member	<b>2008 - Present</b>
ACM Member	<b>2013 - Present</b>
Coached CU CCDC Undergraduate Hacking Team	<b>Spring 2012</b>
Tufts Formula Hybrid Racing Team - Lead Electrical Engineer	<b>2009 - 2010</b>

## Additional Information

- Personal Website: <http://www.andysayler.com>
- Github Projects: <https://github.com/asayler>
- LinkedIn Profile: <http://www.linkedin.com/pub/andrew-sayler/20/8/79a>
- YouTube Channel: <http://www.youtube.com/user/AndrewSayler>