Andy Sayler

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Education

University of Colorado, Boulder, CO   **GPA:** 3.97
PhD in Computer Science - Computer Systems Research Group   *Fall 2011 - In Progress*
Areas of Interest: Computer Networks and Systems, Operating Systems, Embedded Systems

Tufts University, Medford, MA   **GPA:** 3.59
BS in Electrical Engineering, Minor in Computer Science   *May 2011*
Honers: Magna Cum Laude – Engineering Dean's List   *Fall 2007 – Spring 2011*

Employment

Univeristy of Colorado, Boulder, CO   **August** *2011 – Present*
Teaching Assistant - Dept. of Computer Science - Systems Research Group
- Lead TA and Recitation Instructor for Computer Systems and Operating Systems courses.

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

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 brush-less DC motor control boards

Skills

Computer: Linux, MATLAB, AutoCAD, SolidWorks, PSPICE, MPLAB, Wireshark, LaTeX, git, make
Programming: C, C++, Assembly, Java, LabVIEW, R, Python, VHDL
Equipment: Oscilloscope, Spectrum Analyzer, Network Analyzer, Protocol Analyzer, CNC Machinery
Other: PCB Layout Design, Prototyping, Windows/Linux/Network Related IT Administration

Awards

Tufts Alumni Association Senior Award for Academics and Leadership	*2011*
IEEE TePRA Student Robotics Competition - Second Place	*2009*
Eta Kappa Nu Inductee	*2009*
Tufts IEEE EE14 Microcontroller Design Project First Place	*2008*
College Board National AP Scholar	*2007*

Involvement

Large Format Photographer and Dark Room Tech	*2007 – Present*
IEEE Denver/Boston Section Member	*2008 – Present*
Tufts Formula Hybrid Racing Team – Lead Electrical Engineer	*2009 – 2010*