

# Andrew J. Ferguson

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## EDUCATION

Colorado School of Mines 2004-Present  
Bachelor of Science in Engineering with an **Electrical Engineering Specialty** and an ASI<sup>†</sup> in **Mechanical Engineering**;  
Expected Graduation: **May 2009**

## ENGINEERING CLASSES

- EPICS<sup>‡</sup> I/II
- Digital Logic
- Computer Aided Eng.
- Circuits/Circuit Analysis
- Information Systems
- Eng. Electromagnetics
- Statics
- Feedback Control Systems
- Fund. of Electric Machinery
- Fluid Mechanics
- Thermodynamics
- Mechanics of Material

## COMPUTER SKILLS

<i>Operating Systems</i>	<i>Languages</i>	<i>Engineering</i>	<i>Art/Publication</i>
Windows	PHP Perl	Mathematica Excel	Photoshop Dreamweaver
UNIX/Linux	X/HTML Java/JS	MATLAB Access	InDesign Flash
Macintosh	mySQL VisualBasic	SolidWorks PowerPoint	Illustrator
	C++ VHDL	Visio Word	

## WORK EXPERIENCE

- The Boeing Company - Integrated Defense Systems (IDS), US AWACS Block 40/45 Upgrade*
- Mission Computing Hardware Intern* - Translated vendor data to electrical and mechanical Interface Control Diagrams. Selected peripheral equipment for operator workstations. Summer 2007
- Mission Computing Embedded Software Systems Intern* - Wrote Java application for USAF AWACS upgrade. Built hardware for SDE and Block testing. Summer 2006
- Nordstrom IT, Store Information Systems, Intern* Summer 2005  
Assisted coworkers and InfoSys personnel in the 4th Release of Nordstrom's New Point-of-Sale System
- Fergcorp, Web Application Developer* 2000-Present  
Develop plug-ins for WordPress, an open source, state-of-the-art publishing system, to extend program functionality

## VOLUNTEER SERVICE

- University Presbyterian Church, Student Leader, Soundboard, Construction* 2000-Present  
Day Camp student leader for kids ages 5 through 12; stipend received  
Youth group sound engineer  
Built houses in Tijuana, Mexico in cooperation with Homes Without Boundaries  
Summer Sunday School Team Member

## EXTRACURRICULAR ACTIVITIES

- Nakagawa's Exploration Research and Development Students** – Designing rover to compete in NASA's 2008 Lunar Regolith Challenge. Part of Electrical/Computing subsystem group. 2007-Present
- IEEE** – Member of IEEE (2007-present) and CSM chapter of IEEE (2005-present) in good standing. 2005-Present
- Chief Engineer** - *CSM Broadcasting Club/MinesInternetRadio (MIR)* responsible for managing studio equipment and web site. 2005-2007

<sup>†</sup> Area of Special Interest

<sup>‡</sup> Engineering Practices Introductory Course Sequence