

William Harvard Weiskopf, IV

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Education

Colorado School of Mines Golden, Colorado B.S. Dec. 2013
Engineering with a Mechanical specialty major 3.169 GPA
Minors in Computer Science and Economics, to specialize in robotics
Robotics Club, Rocket Club and Blaster Hackers member

Skills

Engineering

- FE Exam passed
- Certified SolidWorks CAD Associate
- Machine shop experience
- FEA with SolidWorks Simulation
- Feedback Controls
- Machine Design
- Fluid Mechanics
- Thermodynamics and Heat Transfer
- Mechanics of Materials

Random

- Patenting and intellectual property
- International Baccalaureate Diploma recipient
- French language basics

Programming and Computers

- Arduino
- Python
- Java
- C++
- MATLAB
- LabVIEW programming
- PHP, HTML5, CSS, JavaScript
- Django development
- WordPress design and administration
- Git version control
- Test driven development
- Linux, command line, and general system administration experience
- Gimp, Audacity, and Adobe Premiere
- Preferred Editors: Vim and Sublime

Class Projects

Lunabotics: Senior Design project, international NASA robotics mining competition, competed amongst 50 teams at the Kennedy Space Center in Florida
Robotics Class: Chosen final project involved constructing a Killough drive
First Robotics Competition 2010 Team 2859 Mentor: Mentored team of high school students in engineering principles, helped to design/build a robot for competition.
DemoSat-B 2009 CSM EPICS Team Project: Researched and designed a device to record the black and white sky albedo at a ceiling of 60,000 feet for Lockheed Martin.

Employment Experience

Air Sciences, Inc. Golden, Colorado Winter 2011 - Present
Network Administration Intern: Purchasing, setup and maintenance of the company's servers, computers, and network. Provide technical support. Spearhead projects to change how the company conducts their network organization and security. Interviewed and trained two new interns.

CSM Research Assistant Golden, Colorado Fall 2013
Assisted Dr. Christopher Dreyer with research in the CSM Engineering Laser Laboratory.

CSM Alumni Association Golden, Colorado Fall 2010 - Present
Web Developer: Website design, eNewsletter publication, graphics, audio, and video editing.
Data Specialist: Maintenance and updating of the alumni database.

Web Development Consulting 2009 - Present
Private website design, development and deployment. See my site for the full portfolio.

Vitamin Cottage Lakewood, Colorado Fall 2010 - Winter 2011
Cashier and Customer Service

Volunteer Experience

Volunteer for FLL 2012 & 2009 Qualifiers and 2010 FRC Colorado Regional.
Adult leader for the Denver Dive 6th and 7th grade service trip in Denver.
Denver Rescue Mission, DenUM (Denver Urban Ministries), Brooklyn, Greater Chicago Food Bank, the Wyoming Wind River Reservation, Guatemala with Pura Vida, Hogar del Niño (Lemoa, Guatemala).