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). | |