William Harvard Weiskopf, IV

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Education

Colorado School of Mines (CSM) – Golden, Colorado   Dec. 2013
B.S. Engineering, Mechanical emphasis   3.2 GPA
Computer Science and Economics minors

Employment Experience

Network Administrator   November 2011 – March 2014
Air Sciences, Inc. – Golden, Colorado
  Purchased, set up and maintained servers, computers, and networks. Provided technical support. Spearheaded projects to change network organization and security. Interviewed and trained three new administrators.

Research Assistant   Fall 2013
CSM Engineering Laser Laboratory – Golden, Colorado
  Researched effect of humidity on laser efficiency with Dr. Christopher Dreyer.

Software Developer
CSM Alumni Association – Golden, Colorado   August 2010 – April 2014
  Web Development: Website design, web app, eNewsletter, graphics, audio, and video.
  Data Specialist: Maintain and update alumni database.

Independent Consultant   2009 – Present
Developed applications for multiple clients:
  Network setup and administration and computer setup.
  Website design, development and deployment.

Class Projects

Senior Design Project: International NASA robotic mining competition, Kennedy Space Center, Florida.

Final Project, Robotics Class: Constructed Killough drive, alternative locomotion platform. Embedded controller programmed with C++ derivative.

Team Mentor, FIRST Robotics Competition: Mentored high school students in engineering principles, helped design and build robot for competition.

Team Project, CSM EPICS: Researched and designed device to test satellite solar panel viability for Lockheed Martin.

Skills

Programming and Computers
- Languages: Python, Java, Arduino, C++, MATLAB, LabVIEW
- Linux, command line, and general system administration experience
- Test-driven development, agile
- Web Development: Django, Wordpress, PHP, HTML, CSS, Javascript
- Github.com/DArtagan

Engineering
- Feedback Controls
- Machine Design
- FEA with SolidWorks Simulation
- Fluid Mechanics
- Thermodynamics and Heat Transfer
- Mechanics of Materials
- Machine shop experience

Other

Certifications: Fundamentals of Engineering exam, Solidworks Associate
Language: French
CSM Clubs: Robotics, Rocket, Blaster Hackers
Volunteer:
  FIRST Lego and robotics competitions referee for elementary and high school students.
  Adult leader for 6th & 7th grade Denver mission trip.
  Guatemala service work with Pura Vida.