

Trevor J. Whitney
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<http://trevorwhitney.com>

EXPERIENCE

System Administrator, multiple departments at CSM, Golden, CO

Aug '12 -
Current

- Administer two Red Hat servers, two Ubuntu servers, a Gitolite Git server, and MySQL databases for SmartGeo and Toilers programs at the Colorado School of Mines.
- Integrate servers with campus wide authentication system.

Lead PHP Developer, CA-STEM program at CSM, Golden, CO

Aug '11 -
Current

- Design and develop a new Drupal based CMS website for the Center for Assessment in Science, Technology, Education, and Mathematics at the Colorado School of Mines. The main purpose of this site is to establish a public and private resource for sharing fellow developed lesson plans, and other information about the program.

Freelance Web Development

Sep '08 -
Dec '11

- Design and develop e-commerce websites using Ruby and PHP.
- Advise small businesses on reducing cost and streamlining operations with technology, including both internal networks, computing infrastructure, and Internet presence.

Network Admin & Lead Developer, WAMU 88.5 FM, Washington, DC

Sep '09 -
May '11

- Administered a Windows domain, managed user accounts and security policies in Active Directory, maintained a SonicWall firewall, secured data integrity through daily tape backups, and installed raid and other mass storage devices (eSATA, iSCSI).
- Reduced costs by moving services such as Apache, Tomcat, Archiva, Sharepoint, and FTP to Debian, Ubuntu, and CentOS virtual machines on a VMWare ESXi hypervisor server.
- Implemented new HP ProCurve network switches with a team of engineers, completely replacing all our old switches and routing devices and improving the performance of our network. Configured and maintained VLANs on new devices.
- Lead Java development for the IT/Networking team. Developed software to streamline and improve efficiency of importing music with accurate meta-data information into our radio automation system and scripted common networking procedures.

Computer Tech & Junior Developer, WAMU 88.5 FM, Washington, DC

Sep '05 -
Sep '09

- Built, installed, maintained, and supported Linux, Macintosh, and Windows servers and workstations.
- Developed small programs in Java and Python to accomplish repetitive network tasks, automation system ingestion, and basic end-user troubleshooting.

DEVELOPMENT SKILL SET & PORTFOLIO

My preferred language for development is **Ruby**, which I have been using extensively in school for the past 2 years. I have experience and am proficient with **Rails**, **Sinatra**, **Git**, **RSpec**, **TestUnit**, **Cucumber**, **Linux**, **MySQL**, **HTML**, **HAML**, **JavaScript**, **CoffeScript**, **CSS**, and **SASS**. I also have experience with **Java**, though I haven't used it as much in the past few years. I have a lot of experience with **PHP** as well, mainly using the **Magento** and **Drupal** frameworks. Finally, I am competent, but with a little less experience, with **Python** and **C**. For examples of my work, please look at my portfolio, hosted at <http://trevorwhitney.com>.

EDUCATION

Colorado School of Mines, Golden, CO

May 2013

Master of Science – Computer Science

Cumulative GPA – 3.72

American University, Washington, DC

December 2007

Bachelor of Arts - Philosophy, Minor - Political Science

Cumulative GPA – 3.57, GPA in Major – 3.75