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<http://trevorwhitney.com>, <https://github.com/pyraz>

## EXPERIENCE

### **Rails Development Intern, National Renewable Energy Laboratory, Golden, CO**

*Jan '13 –  
Current*

- Develop features for <http://afdc.energy.gov>, including usability and record manipulation improvements to the administrative backend, and a redesign of the public facing Maps & Data section, practicing test driven development with RSpec and Cucumber.
- Develop web services for <http://developer.nrel.gov> using a REST based architecture to expose renewable energy data collected at the laboratory.
- Develop embeddable “widgets” that allow other sites to embed the custom maps, charts, and data sets from <http://afdc.energy.gov/data>.
- Manage servers and environments with Chef and deploy applications with Capistrano.

### **System Administrator, multiple departments at CSM, Golden, CO**

*Aug '12 –  
Dec '12*

- 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 –  
Dec '12*

- Designed and developed a new Drupal based CMS website for the CA-STEM program at the Colorado School of Mines to establish a public and private repository for sharing fellow developed lesson plans and other information about the program.

### **Freelance Web Development**

*Sep '08 –  
Current*

- 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 Java Developer, WAMU 88.5 FM, Washington, DC**

*Dec '07 –  
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.
- 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.

## DEVELOPMENT SKILL SET & PORTFOLIO

My preferred language for development is **Ruby**, which I have been using extensively in school and at NREL for the past 2 years. I have experience and am proficient with **Rails, Sinatra, Git, Capistrano, Chef, RSpec, TestUnit, Cucumber, Linux, MySQL, HTML, HAML, JavaScript, CoffeeScript, CSS, and SASS**. I also have experience with **Java** and **Android**. 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>, or my GitHub page at <https://github.com/pyraz>.

## 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*