JOHN FOLEY
Software Engineer

I specialize in building large-scale Ruby on Rails web applications. I strive to produce elegant, well-tested, and maintainable code that delights the end-user.

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Technical Skills

Languages
- Ruby
- Javascript
- Coffeescript
- Python
- C++
- C#

Frameworks and Tools
- Rails
- Git
- Capistrano
- Chef
- AWS Tools
- RSpec
- Jasmine

Systems Administration
- Nginx
- Apache
- Unicorn
- Mongrel
- MySQL

Operating Systems
- OSX
- Linux(Ubuntu)
- Windows

Experience

Victors & Spoils *Boulder, CO*

Software Engineer
August 2011 - Present

- Upgraded site from Rails 3 to the Rails 3.1 asset pipeline seamlessly for end-users
- Wrote Chef and Capistrano scripts to automate server build and deploy processes
- Designed and implemented a system to rank users based on their activity in the system
- Refined several major features based on stakeholder feedback
- Instituted Agile development practices
- Performed the duties of a lead engineer during transitional period

Victors & Spoils *Boulder, CO*

Junior Software Engineer
June 2011 - August 2011

- Added test suite to existing Rails application, and in the process found and fixed several subtle bugs
- Assisted in design and implementation of Fan Machine a spin-off Facebook application that integrates with the main V&S website

Tensentric *Boulder, CO*

Software Engineering Intern
May 2010 - May 2011

- Designed and implemented custom internal web application using Ruby on Rails for project planning and time tracking
- Installed, configured and adminstered all foundation software: Ubuntu Server, Apache, Passenger and MySQL
- All software was tested and validated according to medical device software standards

Covidien *Boulder, CO*

Software Engineering Intern
March 2009 - January 2010

- Designed and implemented a C# GUI application for Windows Tablet Edition to collect streaming data from an electrosurgical generator
- Performed requirements analysis and refined the application based on stakeholder feedback
- Assisted in writing unit tests for faulty translations in the generator's software

Con-X *Boulder, CO and Tokyo*

Software Engineering Intern
May 2008 - February 2009

- Assisted in implementation of platform for remote mobile device configuration
- Programmed, tested, and administered Ruby on Rails application along with a small amount of legacy PHP code
- Helped oversee product demo at Wireless Japan 2008 in Tokyo
- Wrote documentation for other engineers as well as end-users
- Implemented localization of the application in both English and Japanese

Hobby Projects

NHK Scraper [http://github.com/jfoley/nhk-scraper]
A quick script to download NHK 高校講座 series of video lectures and re-encode them for iPad. The source files are all in WMV format, so this script re-encodes them with VLC. It also keeps track of which files have been downloaded and re-encoded with ActiveRecord and SQLite.

MD5 Viewer [http://github.com/jfoley/md5-viewer] (Note this is unrelated to MD5 cryptographic hashes)
This is a program that I wrote for an Advanced Graphics class. It loads in an MD5 model file and displays it. It includes shaders and animation.

Asteroids Clone [http://dl.dropbox.com/u/5586675/asteroids/trunk/asteroids.html]
A pure javascript clone of Asteroids. It uses the canvas tag for all rendering.

Education

Bachelor of Science in Computer Science
University of Colorado at Boulder. [Expected graduation May 2012]