

Seth Goings

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EDUCATION

Colorado School of Mines
Major: BS in Computer Science, Minor: Economics and Business (BS, December 2009)
GPA: 3.5

EDUCATIONAL PROJECTS

- Linux Shell** – Implemented fork/exec, piping, and file redirection functionality with C/C++ and the GNU Readline library.
- Multithreaded Matrix Multiplier** – C++ program used the Boost::Thread library to speed up the multiplication of numerous large and dense matrices.
- Machine Statistics Aggregator** – Shell script remotely connected to machines in a Linux lab, retrieved performance statistics, generated a web page visually representing the health of each workstation.
- P2P Food Sharing System** – Created a distributed food sharing system and protocol utilizing a nameserver, mini servers, and mini clients.

WORK EXPERIENCE

<i>InfoPrint Solutions</i> <i>Performance Analyst</i>	<i>Longmont, CO</i>	<i>2010</i>
<i>Analyzed InfoPrint Solutions' software such as InfoPrint Process Director. Developed a scalable Ruby application and framework to remotely automate performance testing, data analysis, and data visualization.</i>		
<i>InfoPrint Solutions</i> <i>Control Unit Software Developer (Intern)</i>	<i>Longmont, CO</i>	<i>2009</i>
<i>Created a print engine emulator for InfoPrint Solutions' Pro C900 cutsheet printer.</i>		
<i>Colorado School of Mines</i> <i>Web Developer</i>	<i>Golden, CO</i>	<i>2006-2009</i>
Designed websites and interactive web applications (using AJAX) to teach K-12 students engineering concepts. Examples of my work include: http://smartgeo.mines.edu http://control.mines.edu/livinglabs http://www.adventureengineering.org http://control.mines.edu/mooney		
<i>Freelance</i> <i>Web Developer</i>	<i>Longmont, CO</i>	<i>2003-Present</i>
Created various websites, web applications, and e-stores from scratch. Designed and implemented patches, plugins, aesthetic improvements for numerous existing and growing websites. See my personal website for a few examples: http://www.sethgoings.com		
<i>DataVerity</i> <i>Database Administrator</i>	<i>Golden, CO</i>	<i>2008</i>
Created database stored procedures in MySQL to improve the data mining process involved in analyzing customer decisions.		

SOFTWARE AND PROGRAMMING PROFICIENCY

Operating Systems	Windows, Linux, AIX
Languages	Java, C++, C, Ruby, XHTML, CSS, PHP, BASH scripting, Perl, Javascript, Python, Matlab, GWT/GXT, XML
Databases	MySQL (including stored procedures), SQLite, Access
Development Tools	NetBeans, Eclipse, Microsoft Visual Studio
Collaborative Tools	Git, SVN, JUnit, Lotus Suite
Visual Design Tools	Illustrator, Photoshop, Flash, Premiere Pro