

# ALEX ROCKWELL

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## Software Engineer and System Administrator

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Experience in system administration, database design, data analysis, application development, and web design.

## Skills

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Programming Languages	Ruby, Javascript, Bash, Java, and Python
Web Development	HTML5, CSS, Rails, jQuery, XML, JSON, and RDF
Software Tools	Vim, Git, Subversion, and Eclipse
Databases	MySQL, DB2 and, Redis
Data Analysis	SQL and SPARQL
Operating Systems	Linux, Mac OS X, and Windows

## Work History

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### System Administrator

University of Florida, Marston Science Library, 2010-current

- Designed and implemented open source utilities to import and analyze data for VIVO.
- Automated server configuration and deployment with Ruby Chef.
- Managed installation and upgrades of VIVO.

### Web Developer

University of Florida, Department of Housing, 2008-2010

- Designed and implemented two internal web applications with over 100 users.
- Helped maintain legacy web applications on a large code base (>200 KLOC).
- Led migration of more than 20 web applications from Jetspeed Portal to JBoss Portal.
- Implemented automated software testing to improve development time using TestNG.

### Database Administrator

University of Florida CNS, 2004-2008

- Developed an automated backup solution for DB2 using TSM to handle 40 GB of data.
- Designed and implemented an automated database growth size tracking system.

## Portfolio

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- Visualization of UF's organization structure using semantic web data from VIVO:  
[http://github.com/arockwell/vivo\\_org\\_chart](http://github.com/arockwell/vivo_org_chart)
- Program to generate this resume in text and pdf format: <http://github.com/arockwell/resume>
- Programming blog: <http://alexrockwell.org>.
- Web design example: <http://nodetracker.com>

## Education

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University of Florida, Gainesville, Florida  
BS in Computer Engineering; May 2004