

# andrew ettinger

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## Skills Summary

Database	Expert
XML	Expert
PHP	Expert
BSD/*nix	Expert
Javascript	Expert
Ruby	Intermediate
Project Mgmt.	Intermediate
Java	Intermediate
C	Beginner
ActionScript	Beginner

## Statistics

7  
Years software development  
experience.

48  
Hours needed to develop mul-  
tiuser calendar application with  
multi-calendar scheduling,  
groups, and repeating events.

1,000,000  
Number of records in UO Knight  
Library's financial database rede-  
signed into 3NF.

79,000  
Tickets handled so far by tech  
support system.

0  
Number of applications built  
in Ruby before placing 6th out  
of several hundred teams in the  
2005 RailsDay competition.

2  
Years of bug free uptime for UO  
Knight Library financial applica-  
tion.

## FOCUS

*Use my extensive technical experience to provide cutting edge solutions to boost productivity while developing applications in a small team environment.*

## EXPERIENCE

### *Lunar Logic*

December 2004 ~ Present

Ruby on Rails applications	Built 18x7 Tech Support System with email client, tabbed interface, AJAX. Reusable libraries for forms, search.
PHP applications	Calendar groupware; time, task tracking and project reporting system.
Java	Online ordering system for the University of Oregon's Printing Department using Spring and Hibernate. Included PDF proofing mechanism and server side printing.
Database	Extensive work in conversion and optimization, including porting to new applications, reporting and cache management.
Project Management	Subversion and Trac.
System Administration	FreeBSD, Mac OSX, Ubuntu, Debian.
Technical Writing	Composed RFP responses and technical solutions.

### *Lane Forest Business Development*

December 2003 ~ December 2004

PHP Applications	Built reusable web CMS (laneforestproducts.com). Auto documentation. Site indexing software. Product tracking and reporting software for mulches.
Visual Basic	ActiveX heads up display for kiosk workers.
Java	Application to manage truck deliveries.
Technical Writing	Manuals for heavy Equipment.
Project Management	CVS and NetOffice.
System Administration	30 Windows workstations. Upgraded servers to Windows 2003. FreeBSD. DNS, Sendmail and Samba. Kernel building. Makefiles and cron. Shell scripting. Snort and ipchains.

### *University of Oregon*

April 2003 ~ December 2003

#### *Telecommunications Services*

Switchroom Management Basic	PBX and switchroom management.
System Administration	Managed multiple servers of Windows NT/2000, Red Hat, and FreeBSD. Provided DHCP, FTP, TFTP, SNMP, and network switching services.

### *University of Oregon*

January 2001 - December 2002

#### *Knight Library Systems Department*

Visual Basic	Designed and implemented Visual Basic front-end.
Databases	Redesigned and optimized financial database to 3rd normal form (SQLServer).
IT	Helped roll out system upgrades.

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## EXPERIENCE (CONTINUED)

### Additional Projects

6th Place in RailsDay, for a game built using web services and Ajax in Ruby on Rails. (2005)

Maintainer of WebGen (hosted on SourceForge) for creating simple templates out of databases in PHP5. (2005)

Ported AlumniOnline (hosted on SourceForge) to PHP5.

ACM Programming Team, finishing 10th of 70 teams from the West Coast, 2002.

UO Open Source User's Group charter member, 2002.

Association of Computing Machinery chairman, 2001-2002 school year.

### *PremiereLink Communications*

May 2000 ~ January 2001

ColdFusion	Shopping cart with inventory management. Custom applications to meet client needs.
Databases	mySQL administration / management.
System Administration	Red Hat running Apache.
Adobe	Worked with Adobe API for dynamic PDF generation.

### *2Go, Inc.*

August 1999 ~ February 2000

ColdFusion	E-commerce, pay music site with CMS (with approval mechanisms), simplified HTML markup, and version control (internal application rollbacks).
XML	Used to update product database from central servers.
Databases	SQLServer administration.

### *Oregon State University*

November 1998 ~ August 1999

#### *Communications Media Center*

ColdFusion	Developed online course tools for distance education.
Leadership	Was the lead architect in charge of two other developers.
JavaScript	Drag and drop, tooltip, and other cross browser functionality.
Databases	Interfaced with University's main database (Banner). System used dBase.

## COURSEWORK

4 years of Java programming, including experience with JSP and Ant.

Advanced Java experience with cloning, object oriented design principles (abstraction and implementation), reflection, Swing, and XML APIs. Installed and maintained Tomcat on an Apache HTTP server.

Software engineering with Extreme Programming and UML.

Mathematics focused, with classes in discrete combinatorics, calculus and chaos theory.

C/C++ programming.

Artificial Intelligence using B-trees and heuristics.

Networking, including socket programming in C.

Database theory, using Sybase.

Programming language theory using LISP.

*References and code samples provided upon request.*