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Education

University of California, Riverside
Bachelor of Science, Computer Science

Riverside, CA
2008 - 2012

Work Experience

University of California, Riverside Extension @ www.extension.ucr.edu
Web Developer/QA

Riverside, CA
Feb. 2011 - June 2012

- Created web applications for students and faculty using an internal Zend Framework.
- Tracked and reported quality issues that resulted in earlier production move for multiple applications.

Technical Classes

- CS 100 Software Construction (Spring 2010)
- CS 165 Computer Security (Fall 2011)
- CS 183 Unix Administration (Fall 2011)
- CS 170 Artificial Intelligence (Winter 2012)
- CS 164 Computer Networks (Winter 2012)
- CS 166 Database Management (Spring 2012)

Technical Projects

Shopping Application - CS 100 Software Construction

- Implemented a generic shopping application utilizing Java and Java Swing Widget for UI.

Secure File Upload/Download Application - CS 165 Computer Security

- Implemented a secure server for RSA encrypted file upload and download with OpenSSL in C.
- Implemented a client for connecting to the secured server for uploading and downloading encrypted file with RSA encryption.

Unix Administration Tasks - CS 183 Unix Administration

- Created Bash, Python, and Ruby scripts to monitor and maintain system integrity.
- Installed Web Server LAMP Stack on CentOS 5.

Robotic Arm Simulation - CS 170 Artificial Intelligence

- Implemented A* Search algorithm to efficiently move the robotic arm from point a to point b with various constraints in C++.

Web Server - CS 164 Computer Networks

- Implemented a web server in C++ utilizing the Socket classes.

Restaurant Application - CS 166 Database Management

- Implemented a complete restaurant website using PHP, MySQL, JavaScript, jQuery, and Ajax.
- Implemented a normalized database to store user information.

Skills (Proficient)

Languages: C++, Ruby, PHP5, HTML, CSS

Frameworks: jQuery Framework, Zend Framework

Operating Systems: Windows (7, Vista, XP), Linux (CentOS)

Version Controls: Git, SVN

IDEs/Editors: Komodo Edit, Eclipse, VIM

Skills (Prior Experience)

Languages: C, C#, Bash, Java, Python, JavaScript, MIPS, VHDL, XML, SQL

Frameworks/Applications: LaTeX, Ruby on Rails 3.0

Databases: MySQL, Oracle 9g, PostgreSQL

IDEs/Editors: DevC++, Emacs, Microsoft Visual Studio

Associations

UCR Leadership Council, Fall 2011 - Spring 2012

UCR ACM Webmaster, Fall 2011 - Spring 2012

UCR ACM Historian Public Relation, Spring 2011

ACM Active Member Fall, 2010 - Present

IEEE Active Member Winter, 2010 - Present