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PROFILE

An enthusiastic and flexible programmer with experience on multiple platforms, capable of performing various maintenance and administration tasks on computers and networks of any size and configuration. Currently seeking full-time job opportunities.

EXPERIENCE

TACITO DIRECT MARKETING, ADDISON, TX -- JANUARY 2011 TO FEBRUARY 2011

Developed a Mercurial client for artistic purposes. Developed JSON RPC web services to integrate that service with the Mercurial client to provide control for publishing. Deployed Django from scratch on an Amazon EC2 instance. Used that Django instance to provide both simple web forms for testing and a JSON-RPC service.

MASTEC, INC., BUSINESS INTELLIGENCE COPPELL, TX — JANUARY 2010 TO JANUARY 2011

Developed multiple applications including web services and handheld applications (Windows Mobile 5, .NET Compact Framework 3.5) in C# against .NET version 3.5. Wrote software to remotely monitor and restart processes with memory leaks using Python and its wrappers on the Windows API. Provided second tier support to field applications including patching legacy applications written in VB.NET and PHP. Developed databases using SQL Server 2005 and T-SQL. Wrote a scraper to retrieve customer data for company use.

UNPAID ACADEMIC WORK IN SOFTWARE DEVELOPMENT

TEAM LEAD, SOFTWARE DEVELOPMENT PRACTICES/LYNTONWEB, HOUSTON, TX — JANUARY TO MAY 2009

Developed StreamInCloud.com, a video streaming service powered by Amazon Web Services and written in C#/ASP.NET. Managed team resources and assigned tasks based on expertise of various team members using agile development practices. Determined and implemented the best solutions for a cloud computing service. Coordinated virtual and real world meetings of staff and clients to improve communication between clients and development team. Utilized test driven development in order to maintain full test coverage of all software components. Engaged in pair programming with offshore participants.

PROGRAMMER AND STORY DIRECTOR, INTERACTIVE GAME DEVELOPMENT/TEAM FUTABA, HOUSTON, TX — AUGUST TO DECEMBER 2008

Developed a simple 3-dimensional puzzle game for Windows using the XNA framework. Created a humorous story for a collection of minigames.

TECHNICAL SKILLS AND AWARDS

- Thorough knowledge of GNU/Linux systems, with emphasis on Debian derived systems

- Extensive knowledge of Windows systems, including IIS.

- Programming:

- Python

- C/C++

- C#/.NET/LINQ

- Java

- Ruby (including Rails)

- PHP

- Amazon Web Services (Simple Storage Service and Elastic Computing Cloud)

- Use of revision control systems, including Subversion, Git, Bazaar, and Team Foundation Server

- Basic knowledge of bash shell scripting

- Fully versed in biology and chemistry laboratory techniques

- Experienced photographer (35mm and digital)

- Some minor video editing experience
- Eagle Scout Award (April 1998)

OTHER WORK EXPERIENCE

VARIOUS POSITIONS, THE DAILY COUGAR, HOUSTON, TX — 2002-2008

•Opinion Writer: 2003-2008

Researched issues relating to various aspects of campus life, with particular emphasis on residential issues and technology. Communicated about the urgency of various problems facing the student body at the University of Houston in a clear and effective manner. Affected noticeable changes in the quality of residential life at the University of Houston. Honed written communications skills.

•Copy Editor: Spring 2005

Examined and corrected newspaper articles for factual accuracy as well as spelling, punctuation, and grammar errors. Modified written content to conform to length guidelines as prescribed by section editors.

•Staff Photographer: 2002-2003

Took film and digital photographs of various events, including sports, protests, festivals, and unusual occurrences on campus. Used chemical process to develop film images. Cropped and adjusted color balances of images using Adobe Photoshop for maximum clarity on newsprint. Maintained a collection of photographic subject information.

INTERIM COORDINATOR, UNIVERSITY OF HOUSTON UNIX USERS GROUP, HOUSTON, TX — 2006

Attempted to revive a long-dormant Linux/Unix users group at the University of Houston. Organized an installfest on campus. Made contacts with the local Linux users community. Performed GNU/Linux (Ubuntu) installations on random hardware. Learned lessons about organization and communication.

CHAT TECH, HOSTGATOR.COM, LLC, HOUSTON, TX — MAY - NOVEMBER 2007

Assisted users of various skill levels in the use and operation of Linux/Apache/cPanel web servers through a live chat interface. Resolved problems that users encountered both live in chat and through an e-mail based ticket system. Assisted customers in determining the web hosting solutions that best suited their needs. Assisted users in the installation of several common web server scripts. Solved minor issues with MySQL database connections in PHP code.

EDUCATION

•University of Houston, Houston, TX — Bachelor of Science in Computer Science, 2008. Courses including:

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| •Agile Development | •Video game development with XNA | •Web application development with Ruby on Rails |
| •Database administration | •Data structures | •Unix System programming |
| •Algorithms analysis | •C++ programming | •Advanced linear algebra |

•University of Houston, Houston, TX — Bachelor of Science in Biology, 2006.