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Rob McGuire-Dale | rob.mcguire.dale@gmail.com | (541) 250-0762

Education

Oregon State University

    - Bachelor of Science in Computer Science, June 2011

Mt. Hood Community College

    - Associate of Science in Computer Science, June 2008

    - Associate of Science in Mathematics, June 2008

Work experience

The Boeing Company

    Software Developer, June 2011 - Current

    - Designed, developed, and documented a Java programmable
      interface to an electrical-engineering application on an
      IBM mainframe

    - Analyzed web/thick-client applications for cyber/network
      security vulnerabilities

    Software Developer (intern), June 2010 - December 2010

    - Designed and developed a multi-threaded Java application
      interfacing two major manufacturing/production engineering
      applications, achieved a speedup of 6.5x over legacy system

    - Designed and customized user interfaces of a major
      manufacturing and production engineering applications

    - Was one of only 12 interns selected out of the 60 that
      applied for the Information Systems Career Foundation
      Program due to recognition received from management for my
      work during internship
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The Open Source Lab

Software Developer, December 2008 - June 2011

- Key developer of Ganeti Web Manager, a web-based
  application for managing Google's Ganeti cluster virtual
  machines. (https://code.osuosl.org/projects/ganeti-webmgr)

- Key developer and designer of Touchscreen, an interactive
  kiosk framework implemented entirely with with open source,
  and web-standard technologies including Django, Python,
  jQuery, JavaScript, HTML, and CSS

- Collaborated on the design, development, installation, and
  configuration of the following web sites based on the Drupal
  framework:
    * OSU Open Source Lab (http://osuosl.org/)
    * GOSCON, Gov. Open Source Convention (http://goscon.org/)
    * Polk County, Oregon (http://www.co.polk.or.us/)


Mt. Hood Community College, Department of Research and Planning

Information Technologist, November 2007 - January 2009

- Implemented, administered, and provided technical support
  for approximately 250 users for a web-based, strategic
  planning and educational assessment application

- Facilitated meetings and wrote documentation to train the
  faculty and employees of Mt. Hood Community College on how
  to use and manage the application

- Provided key decision criteria for the selection and
  purchase of this application through research and evaluation
  of software candidates


Portland Art Museum, NW Film Center

Assistant Instructor/Film Editor, July 2003 - July 2007

- Taught students how to animate and edit their own films

- Edited digital film for the final class presentations at the
  Guild Theater in downtown Portland


BMT Solutions

Internet Technician, May 2001 - April 2007

- Provided tech support to thousands of people with Internet
  and networking-related issues

- Often worked independently and remotely

- Worked with system administrators and company officials to
  resolve system-wide issues

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Skills summary
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Technical skills:

    - Avid Linux user familiar with several desktop environments,
      and comfortable in the terminal. Also have a working
      knowledge of Macintosh OS X and Microsoft Windows

    - Familiar with many languages, tools, technologies including:
        * JavaScript, jQuery, AJAX, HTML, CSS
        * Python, Django, CherryPy
        * Java, C/C++
        * Drupal, PHP
        * JSON, XML
        * MySQL, SQLite
        * Git, Subversion (SVN)
        * Visual Basic/VBScript
        * nVidia CUDA parallel computing


Community and interpersonal skills:

    - Extensive technical support experience in-person, via
      email, and over the phone which required a combination of
      patience, good communication skills, and technical
      competence

    - Former Event Coordinator for the Oregon State University
      Linux User's Group. Responsibilities included communicating
      with open-source community representatives to organize
      presentations, promoting community-based software to the
      general public, and representing the Linux User's Group at
      various OSU events

    - Three months living in San Miguel de Allende, Mexico through
      a study-abroad program through Mt. Hood Community College

    - Relevant communication/social science courses:
        * Introduction to Usability Engineering
        * Social and Ethical Issues in Computer Science
        * Technical Writing
        * Introduction to Philosophy
        * Anthropological Language and Culture
        * Principles of Sociology
        * Films and Society


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Key interests
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    - Open source software and community development

    - Web application design and development

    - The Internet as a computing platform

    - Computer and network security

    - Human-computer interaction and end-user software engineering


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