

Douglas C. Holland

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Objective:

A position in software development or system administration making use of Linux technologies.

Skills:

- Programming: Experienced with C, C++, Unix shells, PHP, Javascript. General familiarity with Perl, Python, Ruby, Java, SQL, Siemens C16x Assembly, Tcl, OpenGL.
- Operating Systems: Experienced with Red Hat, Debian, Ubuntu Linux. General familiarity with SUSE Linux, HP-UX, Solaris, AIX, Windows 9X/NT/ME/2000/XP.
- Web Development: Experienced with HTML, XML, CSS, Javascript, DOM, XUL, RDF, PHP. General familiarity with Apache, database systems including MySQL.
- Customer Service: Two years experience providing technical support directly to customers.

Experience:

Software Design Engineer

Hewlett Packard: Open Source and Linux Organization, Manageability Group (6 month contract through Synova Inc.)

October 2005 – April 2006

- Designed and developed unit testing system for EzPCI, a library facilitating access to status of PCI devices operating on HP Integrity IA-64 enterprise servers running Red Hat Enterprise Linux and SUSE Linux Enterprise Server operating systems, using C and shell scripts.
- Assisted in maintenance of EzPCI and EzBMC, a library for accessing the baseboard management controller on HP Integrity servers running Linux.
- Assisted with maintenance, packaging and releasing of HPIEFPL (HP Integrity Essentials Foundation Pack for Linux,) a set of utilities for manageability of HP Integrity Servers.
- Maintained and cleaned up intranet web site.

Customer Service Agent

Center Partners, Fort Collins, CO

August 2004 – October 2005

- Assisted customers in resolving problems with wireless phones in Qwest Wireless Repair account.
- Transitioned customers to new nationwide network in Qwest Migration Account.
- Assisted callers in making confidential workplace and university campus incident reports in Business Controls MySafeWorkplace and MySafeCampus accounts.

Programming Intern

Ruffdogs LLC, Fort Collins, CO

November 2004 – May 2005

- Maintained and debugged SocialMPN, an Open Source MyPHPNuke based web content management system using HTML, CSS, Javascript, PHP, Linux, Apache and MySQL.
- Wrote documentation for SocialMPN to help users install and administer software.
- Developed a GUI for SME Manager, a Linux based server administration tool, using Mozilla Firefox, XML, XUL, extensive Javascript, RDF, DOM, CSS and HTML.
- Assisted in other parts of the development of SME Manager, using HTML, LDAP, PHP, MySQL and Apache.
- Packaged SME Manager using the RPM package management system.

Development Engineer

Seagate Technology LLC, Longmont, CO

May 2001 – February 2002

- Maintained certification firmware for Seagate hard disks written in C and Siemens C16x assembly language.
- Optimized certification tests to achieve test time reduction and cost savings.
- Converted tests from C16x assembly language to C to facilitate future code maintenance.
- Gained extensive knowledge of hard disk technology, as well as SCSI and ATA interfaces (including Serial ATA.)

Firmware Test Technician

Hewlett Packard, Fort Collins, CO

January 2000 – December 2000

- Conducted regression tests of firmware for PA-RISC systems using HP-UX, Perl, C and shell scripts.
- Developed a new regression testing system for IA-64 firmware using Tcl and Expect.
- Installed, configured, repaired and upgraded HP PA-RISC and IA-64 systems in the course of regression testing.
- Configured networks using Ethernet, FDDI and Fiber Channel for firmware testing.

C/C++ Programmer

Baker Instrument Company, Fort Collins, CO

July 1999 – December 1999

- Maintained and customized stator testing software.
- Configured test hardware and software prior to shipment.

Education:

Colorado State University, Fort Collins, CO

Department of Natural Sciences

Bachelor of Science, Computer Science, May 2001

Major Courses

- Advanced Graphics and Computer Vision
- Computer Graphics
- Operating Systems
- Object Oriented Design
- Software Development

Accomplishments

- Gained extensive computer graphics skills including 3-D modeling, projection, ray tracing, lighting, lens simulation and morphing. Completed several computer graphics projects including a fully functional ray tracer using C++ and OpenGL.
- Completed several school projects using Object Oriented design and programming techniques, using C++, Java and UML.