

Robert Wohleb

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Objectives

I am pursuing technology positions that simplify life and make the world a better place. I want:

- A job that is as equally challenging as it is rewarding.
- To develop software that pushes the boundaries of human capabilities and knowledge.

Technical Qualifications

- Broad programming experience: C/C++, Java, Javascript, Perl, Python, PHP, VB, FORTRAN, Assembly, CVS, Subversion.
- Emphasis on dynamic web technologies to integrate databases and dynamic content. (AJAX, XML, RSS, XML-RPC, SOAP)
- 8 years of LAMP development (Linux, Apache, MySQL, PHP, Perl, Drupal)
- 6 years of Linux/Unix software development (C, C++, FORTRAN, Perl)
- 1 year of Microsoft Windows software development (VB, C, C++)

Professional Experience

Lead Developer

[Chapter Three, LLC](#), San Francisco, CA

6/2008 – current

Chapter Three develops Drupal-based web applications for both the non-profit and for-profit sectors.

- Provide leadership and direction to a team of junior engineers.
- Design of system architecture and development plan, on both small and large projects.
- Development of diverse modular code for high performance web applications. (PHP, MySQL, JS, AJAX)

Drupal Engineer

[Chapter Three, LLC](#), San Francisco, CA

3/2008 – 6/2008

Chapter Three develops Drupal-based web applications for both the non-profit and for-profit sectors.

- Development of address book and social management modules. (PHP, MySQL, JS, AJAX)

Software Engineer Intern
[Intuity Medical, Inc.](#), Sunnyvale, CA
5/2007 – 8/2007

Intuity Medical is developing the next generation of glucose monitoring devices.

- Embedded software development for product and R&D use. (MSP430, C)
- Electro-mechanical testing, troubleshooting, and design. (SMT, VB, C)

Google Summer of Code 2007 Participant
[Oregon State University Open Source Lab](#), Corvallis, OR / [Google](#), Sunnyvale, CA
5/2007 – 8/2007

Google Summer of Code offers student developers stipends to create new open source programs or to help currently established projects.

- Out of over 6200 applications, one of over 900 selected for the program.
- Working with Greg Lund-Chaix from the OSU OSL to develop modules to integrate Google Apps APIs with Drupal. (Linux, Apache, MySQL, PHP)

Contractor
[FunnyMonkey](#), Portland, OR
9/2006 – 12/2006

FunnyMonkey develops software tools for teachers in an effort to better support education.

- Continued development of the Gradebook platform for Drupal.
- Developed a gradebook extension for the Organic Groups module. (Linux, Apache, MySQL, PHP)

Google Summer of Code 2006 Participant
[Drupal](#) / [Google](#), Sunnyvale, CA
5/2006 - 8/2006

Google Summer of Code offers student developers stipends to create new open source programs or to help currently established projects.

- Out of over 3000 applicants, one of 630 selected for the program.
- Worked with Bill Fitzgerald from the Drupal project to develop an extensible Gradebook module. (Linux, Apache, MySQL, PHP)

Student Programmer
[Humboldt State University Courseware Development Center](#), Arcata, CA
4/2005 - 4/2006

The courseware development center provides software and media development for the enhancement of education.

- Development of Moodle modules for online user-defined taxonomy-based databases. (Linux, Apache, MySQL, PHP)

Software Engineer
R2 Technology, Sunnyvale, CA
6/2002 - 9/2004

R2 designs and develops the ImageChecker® image analysis technology to assist radiologists in cancer screening in multiple diagnostic imaging modalities.

- Developed in-house proprietary R&D tools for the display and analysis of large image sets in multiple imaging modalities. (C, C++, PHP, Perl)
- Developed cross-platform licensing code for 3rd-party USB licensing technology. Software was developed as statically/dynamically linked modules for both Microsoft Windows and Linux. (C, C++)
- Developed embedded software for proprietary hardware designed to interface with OEM-partner equipment. Software was developed using the C programming language (PICC) for the Microchip 16C765 PIC Microcontroller.
- System administration of R&D Linux computing clusters. (RedHat Linux, NFS, NIS, DNS)

Software Engineer
Parafoil Software, Eureka, CA
09/2000-11/2001

Parafoil developed natural language systems for text-to-speech and speech-to-text gateways, and internet enabled user interfaces.

- Developed server applications for the Linux environment. (Java)
- Developed natural language Internet user interfaces. (PHP, Java)

Network Operations Center Engineer Intern
eGain Communications, Sunnyvale, CA
5/2000-8/2000

eGain develops customer relations management software as well as 100% hosted business solutions.

- Developed web based applications for issue tracking and issue analysis. (Perl, MS SQL Server 7, MS IIS, and Windows)
- System/network administration in an enterprise environment (300+ NT servers)

Undergraduate Physics Research Associate
Ames Laboratory (US DOE), Ames, IA
6/1999-8/2000

Ames Laboratory is a government-owned, contractor-operated research facility of the U.S. Department of Energy that is run by Iowa State University.

- Researched global optimization algorithms for molecular cluster simulations in parallel computing environments. (Fortran, MPI, Unix)

Publications

PC AI (Nov/Dec 2001) - "Natural Language Processing: Understanding its Future"

Other Experience

- Maintainer of multiple open source modules for the Drupal CMS ([Gradebook](#), [OG_Gradebook](#), [Login Menu](#))
- Development of a Linux cluster for the Humboldt State University Physics Department (Ubuntu, MPI)

Education

Humboldt State University, Arcata, CA
Computer Science - B.S. (graduated 5/2008 – diploma pending)