

Education

Purdue University

West Lafayette, IN

- B.S., Computer Science (GRAD 2.72 / CS 3.00), Expected graduation date: 12/2007
Minor in Philosophy
 - academic research in distributed file storage systems

Work History

PG Linux Team Software Engineer Intern

May 2007 - August 2007

- Dell Austin, TX
 - proposed, developed, and implemented disc remastering utility for Ubuntu Linux Distribution (<http://linux.dell.com/dru>)
 - added support for Ubuntu to Dynamic Kernel Module System (<http://linux.dell.com/dkms>)
 - delivered technical presentations to upper management and technical teams
 - proposed Open Source licensing to corporate, legal, and technical departments for Disc Remastering Utility project
 - debugging and problem tracing in Ubuntu for hardware support

Software Engineer Intern

May 2006 - August 2006

- Arxan West Lafayette, IN
 - part of development team for application-layer x86 emulator
 - network traffic and binary red-teaming, including tool development
 - development and modification of website QA automation software

Software Engineer / Web Developer

5-8/2004, 5-8/2003, 5-8/2002

- Lafayette Venetian Blind, Inc. West Lafayette, IN
 - assisted in installation / administration of Red Hat Linux (and Fedora Core) servers
 - performed configuration management of systems using UNIX shell scripting, Linux system admin skills
 - designed and implemented distributed systems monitor extending *mon* with Perl, Tel/Tk
 - developed systems administrative web suite using Javascript, HTML, PHP, Perl, and C
 - technical support of network, including wiring/troubleshooting ethernet and token ring
 - technical support of software and hardware/peripherals for multiple operating systems
 - accepted on-call assistance duty for network repairs

Personal Experience and Research

1999 - Current

- wrote various personal-use programs - UNIX scripting, service user-access
- ex-administrator of local gaming community
- assembly and maintenance of computer hardware and networks
- strong network programming, research into Distributed File Systems
- low-level OS kernel/driver understanding (strong ongoing research)

Skills

Languages: C/C++, Perl, Bash, HTML, XML, \LaTeX , Java/SWT, PHP, Javascript, x86/SPARC Assembly, Python

Operating Systems: Red Hat/Fedora, Ubuntu, Windows XP

Applications: CVS/RCS, Subversion, Mercurial, Apache, MySQL, Eclipse, Bind DNS, IPTables (NAT/Firewall), Sendmail & Dovecot (SMTP, IMAP/POP3), ISC DHCP, mdadm Software RAID, CUPS, Samba, Vim

Miscellaneous: system administration in various UNIX flavors, TCP/IP networking (ie. routers, smart switches), software configuration management, excellent troubleshooting and debugging skills