

Matthew Oquist

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Alternate formats available: <http://majen.net/>

Summary

- * Software Engineer
- * UNIX applications and kernel experience
 - I/O Configuration Registry
 - Cluster-shared configuration database
 - Usability
- * Creative, motivated, dependable
- * Strong skills: analysis, communication, cooperation

Experience

Contracting

Jan.2005 - Present
Nashua, NH

Linux Migrations for Schools

- * Expert Linux/FOSS consultant while migrating school networks from Microsoft Windows and Active Directory to Linux with Samba/LDAP and LTSP.

LAMP (Web-based Build System for TheOpenCD Project)

- * Designed and implemented a public web-based system to build and manage TheOpenCD and derivatives, sponsored by Canonical, Ltd. (<http://theopencd.org/orchard/>)

Linux Network for New School

- * Expert Linux consultant while implementing network for a new Public Charter School

Samba/LDAP (Samba/LDAP Installer for K12LTSP)

- * Designed and implemented the Samba/LDAP installer (GPL), sponsored by the Exeter School District in Exeter, NH (<http://majen.net/smbldap/>)

Hewlett-Packard

Aug.2001 - Dec.2004
Nashua, NH

Software Engineer (Tru64 UNIX, HP-UX, Applications & Kernel)

- * Contributed to design of configuration data storage across clustered systems
- * Promoted in 2003
- * Implemented HP-UX kernel code to:
 - Register system components
 - Manage data locally and on remote clustered systems
- * Trained team members
- * Developed usability study
 - Documented proposed interfaces, questions, and points of discussion
 - Led meeting with HP-UX customers
 - Recorded customer responses and study conclusions

Taylor University
CS Department
Fall 1999-Fall 2001
Upland, IN

System Administrator (Student/Assistant)

- Maintained unattended Linux and Windows NT installation system
- * Dual-boot Linux/Windows OS and Applications installation and configuration
 - * Enhanced system to do automatic video configuration, dual-processor detection and configuration

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Technical Knowledge

- * C, Perl, UNIX shell scripting, PHP, Python, Javascript, C++, Java, Smalltalk, Ada, CLIPS, PL/SQL, Prolog, COBOL, LISP, POVray, OpenGL, Borland C++ Builder, Automod simulation software, Visual Basic
- * HTML, XHTML, CSS, XML
- * Fedora, Red Hat, Ubuntu, Gentoo, and Mandrake Linux, HP-UX, Tru64 Unix, FreeBSD, OpenBSD, Mac OS X, Windows 95/98/NT/2000/XP
- * Linux/OpenBSD firewalling, DNS, DDNS+DHCP, SAMBA, Apache, NFS, OpenLDAP
- * LAMP
- * RDBMS, Oracle Forms Builder 6i
- * Rational ClearCase
- * CMM

Education

1997-2001
Taylor University
Upland, IN

- * Bachelor of Science, Computer Science, with Philosophy minor
- * Classes: Data Communications, Database Concepts, Operating Systems, Computer Organization, Interactive Applications Design, Information Systems Analysis/Design

Projects and Activities

- * Won competition with intelligent computer game player in Intro to A.I. class tournament (<http://majen.net/quoridor/>)
- * CS T.A., CS Tutor, Symphonic Band, Pep Band, Ethics Bowl
- * Technical Advisory Board, Nashua High School, Nashua, NH

Organizational Activities

- * Co-organized the 2005 NorthEast Linux Symposium (<http://nelinux.net/>). Approximately 70 people attended three days of sessions on topics such as K12LTSP, Scripting, and Content Management Systems.
- * Founded Software Freedom International, a non-profit organization to promote public awareness and adoption of FOSS. (<http://softwarefreedomday.org/>)
 - * More than 75 volunteer teams in more than 50 countries distributed thousands of packages of software on the first annual Software Freedom Day, August 28, 2004.