

(316) 393-0629

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Career Summary

- Strong working knowledge of Unix (Linux and some Solaris & HP/UX).
- Programming languages/concepts: C, Perl (CGI, DBI, Email & Telnet::Cisco modules), regular expressions, C++, Korn/bash, CORBA, [X]HTML.
- Areas of experience: Web-based software, build and configuration management automation (Korn shell and Perl), TCP/IP network programming, Fibre Channel (FCP & IPFC), Linux device drivers & kernel.
- Development Tools: Bugzilla, CVS, gcc, gdb, kdb (Linux kernel debugger), Insight (GUI front-end to gdb), make, MySQL, Source Navigator, vi, XEmacs.

Personal Projects

- CBD - System for securing data from an environment where physical security has been compromised. Consists of a GUI configuration program (C++ & glademm) and an automated backend that executes the configured tasks (Perl).

Experience

Washington State Department of Transportation
ITS Technician 1

809 Legion Way SE, Olympia, WA
May 2005 to Present

- DEVELOPMENT: Automation for router and switch management—written in Perl (prototyped with a CLI, implemented with a web interface, using Apache and MySQL on Solaris 9).
- NETWORK SUPPORT: Part of the Network Triage Group, performing initial point of contact and remote debugging and repair on all infrastructure network issues for WSDOT.

Anceps 110
Self Employed

6530 6th Ave SE, Lacey, WA 98503
June 2003 to March 2005

- DEVELOPMENT: Website backend development. Personal projects (see above). Debugging of LSI Fibre Channel (FC) driver installations.
- TECH SUPPORT: Installation and troubleshooting of home and small business computers (Windows & Linux) and networks.

LSI Logic Corp.
Software Engineer

8200 E 34th Circle Suite 2000, Wichita, KS 67226
May 2001 to Jan 2002

- DEVELOPMENT: Developed, tested and maintained the interrupt handling, common resource management and network code of the Linux FCP/IPFC driver. Added driver support for SMP systems (x86, SPARC64 and Itanium platforms). Ported FC HAB management libraries from Windows to Linux. Continuing development of bug-tracking system.
- TESTING: Web-based bugtracking system. Linux kernel debugging related to driver development (mostly in the VM and network stack code). Performed integration and development testing of FCP driver for Linux.
- CONFIGURATION MANAGEMENT: Responsible for the cvs code repositories containing the FCP/IPFC driver for Linux and firmware for all LSI Fibre Channel host adapters. Maintained the cvs repository and firmware build environment on Red Hat Linux, Solaris and HP/UX servers. Maintained the group's web-server and bug-tracking system (web-based, using a MySQL database).

The Arnold Group
Student Software Technician
On assignment at LSI Logic Corp. in Wichita (formerly Symbios, Inc.).

530 S. Topeka, Wichita, KS 67202
February 1998 to May 2001

- **DEVELOPMENT:** Designed and wrote the initial implementation of a Linux IPFC driver for LSI Logic's Fibre Channel host adapters. Debugged and wrote extensions to the I2O Linux drivers.
- **TESTING:** Usability and bug testing of legacy and new CM apps. Integration testing of Fibre Channel storage controllers under Linux.
- **CONFIGURATION MANAGEMENT:** Automated configuration management and daily build tasks with Perl code and Korn shell scripts. Assisted the configuration manager in maintaining the code repository (cvs).
- **BUG TRACKING:** Evaluated and chose an appropriate bug/problem tracking system for the development group. Installed Bugzilla, made custom modifications to its CGI code and database structures. Provided internal support for and maintenance of Bugzilla.

Education and Training

Wichita State University
Bachelor of Science in Computer Science (Minor in Mathematics), May 2001.

1845 Fairmount, Wichita, KS 67260

- Member of Pi Mu Epsilon, The National Honorary Mathematics Society.