

Ashton Trey Belew

Contact Info

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Education

Wesleyan University, Middletown, CT
Bachelor of Arts, Biology
Graduated May 1998
GPA: 86.88/100 (3.2/4.0)

Experience

Unix Programmer: Wesleyan University (Jul. 1998 - Dec. 2000)

Installed, maintained, and serviced over 35 campus Unix machines with up to 11,000 user accounts in an Academic Computing Environment. Primary responsibilities included security analysis, systems auditing, backup/recovery, systems automation, user help and education. Aided academic research community on all platforms and all difficulty levels. Gave monthly presentations to the computing community regarding multifarious topics from programming and administration to security and Unix use. Responsible for purchasing decisions of new server hardware. Wrote many systems automation programs using all available tools and programming languages. Taught students, faculty, and staff programming techniques at all experience levels. Replaced hardware across platforms. Aided installation of Unix Oracle systems, administered campus MySQL and PostgreSQL systems.

Programming projects: CGI replacement for Unix vacation(1) program. Class registration search engine. Online weblog counter installer. WesVal authentication module written in Perl and C with accompanying Apache module in C and Netscape Enterprise module in C. Comprehensive course material directory and spider: <http://www.courses.wesleyan.edu>. Online printer billing system which interacts with PeopleSoft, Netware print queues, Unix print queues, FRS, Oracle, and MySQL.

Technologies used: Solaris, Linux, *BSD, AIX, Irix, Perl, Apache, mod-perl, PHP, Oracle, MySQL, DNS/DHCP, PostgreSQL, LDAP, sendmail, C, Java, NFS/NIS, gnu tools, shell scripting and Adsm/Tsm.

Administrator: Wesleyan Mathematics/CS department (Jul. 1997 - Jun. 1998)

Maintained NIS network for Math/CS department. Optimized use of older platforms in order keep them at full potential while learning to help faculty with disparate problems ranging from TeX to laptop Linux installation. Learned networking and programming. Responsible for backup/recovery, security, and NIS/NFS administration. Maintained ambitious academic schedule while remaining on call for emergencies at all times.

Technologies used: SunOS, Perl, shell scripting, LaTeX, NCD xterminals

Consultant: Information Technology Services Helpdesk and RCC (Jun. 1995 - Sept. 1997)

Aided Wesleyan community with assorted computing problems on all common computing platforms, including MacOS, DOS, Win3.1-WinNT4, Unix, and Netware. Focused upon personal and phone interactions with students, faculty, and staff. Managed Helpdesk and Residential Computing Consultants separately. Troubleshot 250 students in a dorm while training other Consultants.

Systems Administrator: Wesleyan Student Net (Jun. 1996 - Jun. 1998)

Administered and helped build Wesleyan's public Unix systems, including an electronic bulletin board and assorted servers. Responsible for all maintenance tasks (backups, security, etc) and (re)built multiple machines from donations.

Skills and Interests

Programming Languages (in order of use): Perl, C, Lisp (Common Lisp, Emacs, Scheme), SQL, Python, Java, Shell Scripting, Haskell, ML, Fortran

Software specialties: Oracle, MySQL, PostgreSQL, NFS/NIS, LDAP, (X)Emacs, CVS, Apache, mod_perl, mod_rewrite, tcpwrappers, adsm/tsm, Sendmail/M4 macros, DNS/DHCP, Gnu tools.

Operating Systems: Linux, SunOS 4.1.3 - Solaris 8, *BSD, AIX, Irix, Digital Unix, Win3.1-2000, MacOS, DomainOS, Ultrix, Netware, HURD.

Personal Interests: Literature, Snowboarding, Mountain/Road biking, Rollerblading, Ultimate Frisbee.