

Bryce D. Nichols

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OBJECTIVE	Apply my training in computer science to solve challenging technology problems.
RELEVANT SKILLS	<p>Programming Languages: C, Java, OCaml, PHP Scripting Languages: bash Revision Control: CVS, SVN, git Platforms: Linux, Mac OS X, Solaris Networking: ip4, tcp, udp, Linux iptables configuration, OpenVPN configuration, ssh Graphics Programming: DirectFB Unix Programming: pthreads, ipc, I/O, networking Security: C code auditing, public key cryptography and authentication schemes Database: MySQL configuration and SQL programming, Oracle</p>
EXPERIENCE	<p><i>Software Engineer</i> Citibank Bala Cynwyd, PA Winter 2007 to Fall 2009 Production release manager and change auditor for global remittance platform. Responsible for executing and ensuring integrity of releases to QA, UAT, and production environments. In addition, maintained a number of development and test environments. Documented, automated, and monitored processes for complete software development life cycle. Managed revision control and change logging, conducted merge conflict resolution and coordinated ongoing complex change activities.</p> <p><i>Senior Engineer</i> BuLogics, Inc. Conshohocken, PA Fall 2003 to Winter 2007 Researched and developed new software products for home automation and digital media convergence. Helped design and write easy-to-use user interfaces. Explored and implemented new technologies for home automation and multimedia. Created software for a remote software updating infrastructure. Designed an automated configuration and build environment. Tested, debugged, and improved Linux and DirectFB display device drivers. Wrote software to interface to the Z-Wave wireless home automation system.</p> <p><i>Software Developer</i> Darma Computers Tempe, AZ Summer 2000, Summer 2001, Spring 2003 Designed java applet interfaces to network appliances. Worked as part of a two-person development team to produce a full-featured Linux-based Network Attached Storage product. Completed additional work on a Linux-based Firewall product. Engaged in research and development for new features for a network storage product. Responsible for designing and maintaining development infrastructure including code management, documentation management, and bugtracking.</p> <p><i>Teaching Assistant</i> Temple University Philadelphia, PA Fall 2001 to Spring 2003 Instructed and graded for an undergraduate databases lab. Created, revised, and tested new instructional material and exercises. Designed and implemented a secure database system allowing students to securely retrieve information on their assignments and grades through the web.</p> <p><i>Tutor and Grader</i> Harvey Mudd College Computer Science Claremont, CA Department Fall 1998 Graded assignments for a Data Structures and Algorithms course. Helped students with assignments. Tested and debugged C++ programs. Checked program documentation and code documentation.</p>
EDUCATION	Temple University, Philadelphia, PA.

M.S. in Computer Science, January 2003

Harvey Mudd College, Claremont, CA.

B.S. in Computer Science, May 2001