

Patrick “P. J.” M^cDermott

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- OBJECTIVE:** To write and maintain custom or free/open-source software, with interests in operating systems, embedded systems, networking, and Web development.
- EDUCATION:** **New Jersey Institute of Technology (NJIT), Newark, NJ**
B.S. Computer Science, Expected: May 2012 GPA: 3.514
Sussex County Community College (SCCC), Newton, NJ
A.S. Computer Science, May 2010 with honors GPA: 3.570
- HONORS/AWARDS:** Dean's List, NJIT and SCCC
Phi Theta Kappa, SCCC
- KEY COURSES:** Calculus III, Linear Algebra, Discrete Mathematics, Advanced Programming in C++, Database Management Systems, Computer Organization and Architecture, Advanced Data Structures and Algorithm Design, Principles of Operating Systems, Introduction to Computer Networks, Introduction to Linux Kernel Programming, Introduction to System Administration, Digital Design
- SKILLS:**
Languages: Assembly (Intel x86 and ARM, familiar), ISO C 89 and 99, C++, CSS 2.1 and 3, HTML 4.01 and 5, Java, JavaScript, LaTeX2e (familiar), Make (POSIX and GNU), PHP 4 and 5, Python 3 (familiar), SQL, UNIX shell, XHTML 1.1
Software: Apache HTTP Server 2.x, APT, BusyBox, CentOS GNU/Linux (familiar), cgit, CUPS, debhelper, Debian GNU/Linux, dpkg, Exim 4, Fedora GNU/Linux (familiar), GCC, Git, Gitis, GDB, GNU Binutils (familiar), GNU Coreutils, GNU GRUB 2, GNU Make, Linux 2.6 and 3.x, LVM2, MySQL, OpenSSH, Quilt (familiar), rsync, Samba (familiar), SQLite 3 (familiar), System V style init, Valgrind (familiar), Vim, Vixie cron 3.0
Codebases: BusyBox, coreboot, GNU GRUB 2, Linux 2.6 and 3.x, OpenBSD netcat, PHP 5 (all familiar), GNU FM (working knowledge)
- WORK EXPERIENCE:**
George Washington University June 2010 – August 2010
Intern – Cyber Security Policy and Research Institute
 - Designed a cyber security Web portal for community colleges
 - Advised the Cyber Security Policy and Research Institute on a potential Web site redesign**Sussex County Community College** January 2009 – May 2009
Student Technician – IT Services
 - Maintained and installed workstations, software, printers, and projectors on campus
 - Responded to service and support calls**Sussex County Computer Warehouse** September 2007 – August 2008
Web Software Developer, Server Administrator
 - Designed and wrote dynamic Web applications in-house and for clients
 - Assisted with management of client Web hosting
 - Performed administration of server systems
- PROFESSIONAL AFFILIATIONS:** Member of NJIT chapter of Association for Computing Machinery (ACM)
Leader of GNU/Linux special interest group in NJIT chapter of ACM
- HOBBIES/ INTERESTS:** Writing software, researching topics in computer science, building computers, system administration, embedded systems, computing ethics, copyright law, music