

Nicklas R. Peelman

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Profile

Motivated and passionate about technology, I bring a wide range of knowledge and experience to whatever opportunity presents itself. I have experience in network engineering, systems administration, application design and development, website design and administration, digital communications, and user support. I crave variety in my work and thrive on the ever-changing ecosystem that Information Technology creates.

Experience

Systems Administrator

January 2009 - Present

ITaP - Purdue University, *West Lafayette, Indiana*

- Developed, directed, and made modifications to installations of programs and software for Purdue's Learning Spaces computing environment
- Coordinated software and hardware installation, maintenance, and support; identified and reported issues to software vendors
- Developed and assisted others in the creation of software "packages" for workstation deployment in the computing labs
- Designed, developed, tested, modified, and documented computing programs and utilities on desktop computers and terminal servers; included creating scripts and programming

Teaching Assistant

August 2008 - December 2008

College of Technology - Purdue University, *West Lafayette, Indiana*

- Proctor and facilitate course labs for the network engineering program, focusing on systems administration and enterprise network management
- Encouraged and maintained a productive learning environment
- Assembled and configured a simulated large-scale enterprise network for student use
- Maintained 4 classroom lab facilities, totaling 72 workstations, approximately 30 virtual machines, 9 HP ProCurve switches, and 7 servers (physical and virtual)

Network Software Technician

June 2008 - August 2008

ITaP - Purdue University, *West Lafayette, Indiana*

- Tested new software deployment mechanism being deployed campus-wide
- Troubleshoot deployment, software, and hardware problems
- Scripted custom components for Mac OS X lab deployment

Web Application Programmer

May 2008 - June 2008

Enhanced Telecommunications Corporation, *Indianapolis, Indiana*

- Enhanced and Refined existing Accounts database system I co-designed and implemented in the summer of 2007
- Job was short-lived due to rising fuel costs and an extended commute

Lab Coordinator - Cyber Forensics Lab

January 2008 - April 2008

College of Technology - Purdue University, *West Lafayette, Indiana*

- Managed operating systems and applications on 20 clients and 2 servers
- Built an inventory and checkout system based on a web-based, open source asset management project; used barcodes to track and organize items
- Implemented and populated a documentation wiki to try and capture institutional knowledge
- Co-designed and lectured for an Apple-specific computer forensics course for local, state, and federal law enforcement officers

Apple Support Specialist

August 2006 - December 2007

Agriculture Communications - Purdue University, *West Lafayette, Indiana*

- Maintained operating systems and applications on approximately 50 Apple Mac systems
- Used Apple Remote Desktop to automate tasks and support users
- Implemented Single Sign On backed by Purdue's OnePurdue Active Directory system
- Implemented OS X Server as a local software update repository, MCX, file, and web server

Web Application Programmer (Internship)

May 2007 - August 2007

Enhanced Telecommunications Corporation, *Batesville, Indiana*

- Co-designed and was the lead programmer for a ground-up redesign of an existing accounts database
- Intranet web application; 10,000+ lines of code; 30,000 records (at implementation time) across 62 tables
- Made extensive use of open source technologies (PHP, AJAX (including the Prototype and Scriptaculous Frameworks) and MySQL)

Technical Skills

- Apple OS X Client/Server Platforms
- Linux / Unix Client/Server Platforms
- Windows Client/Server Platforms
- Systems Administration
- Systems Analysis & Design
- Network Administration
- Network Engineering
- Network Security
- Cat 5/5e/6, & single- & multi-mode fiber optic cabling
- TCP/IP Communications, Ethernet
- Wide & Local Area Networking (WAN/LAN)
- Wireless Networking (WLAN, 802.11a/b/g/n)
- SMTP, DNS, DHCP, SIP, SNMP, HTTP, HTTPS, FTP, SFTP, RTSP, SMB, CIFS
- Digital & Analog Telephony (VOIP, POTS)
- Web Development: HTML, CSS, AJAX, PHP, JSP, MySQL, Java, ColdFusion
- Mac Development: Objective-C, C, XML, Xcode, Interface Builder
- Shell Scripting: Batch, Bash, Perl, Python
- Windows XP, Windows 7, Windows Server 2003, Windows Server 2008
- Microsoft App-V, SCCM, IIS, MSDNS, MSSQL, Active Directory, Exchange
- Red Hat Enterprise Linux, Solaris, Debian, Ubuntu
- Apache, Lighttpd, MySQL, BIND, Subversion, Asterisk
- Cacti, Nmap, Snort, Squid, Wireshark
- Cisco (IOS), HP ProCurve, AdTran
- VMWare Server v1 & v2, ESX, ESXi, Fusion v1, v2, v3
- Microsoft Office 2003 2004 2007 2008
- Symantec Ghost, Prism Deploy

Open Source

CoRD Project, Freelance Development

March 2009 - Present

- Resurrected the project which was near abandonment
- Implemented dozens of new features and configuration settings
- Drove development through a major release cycle and three minor cycles

Education

B.S. Network Engineering Technology

2002-2007, Purdue University

- Minor: History of Science and Technology
- GPA: 3.19 (4.00 scale)

Conferences

- Apple - Worldwide Developers Conference (WWDC) - 2006
- LabMan Conference - 2009
- Microsoft - Microsoft Management Summit (MMS) - 2009

Memberships

- Federal Bureau of Investigation's InfraGard Association - 2008-Present
- Purdue's Malware Research Team - 2008-Present