

Morrisville NC 27560

Email: XXX@yahoo.com

Phone: 919-XXX-XXXX (cell)

Web: [www.quantumspores.com](http://www.quantumspores.com)

# Justin Spears

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**Objective** To use my education, experience and enthusiasm to maintain a position that will best serve my employer, humanity and myself.

**Experience** 2007 - present Netapp Inc. Cary, NC

**Cloud Computer CPR Engineer**

- Support enterprise data storage systems offering NFS, CIFS and SAN via FCP/iSCSI protocols on mixed UNIX/Linux/Windows platforms
- Analyze system performance data to identify bottlenecks and provide analysis from a file system, OS and hardware perspective
- Design and setup complex system configurations both virtually and physically to simulate actual and potential customer problems
- Analyze systems diagnostics, logs, process traces, and data files to diagnose and resolve problems

2007 – 2007 Walgreen's Specialty Pharmacy Carnegie, PA

**Sr. UNIX Systems Engineer & Developer**

- Administered 30+ Solaris 8,9,10 UNIX servers, implemented multiple RedHat Linux Servers, administered EMC Clariion & Netapp connectivity from UNIX servers and built/maintained multiple Veritas Clusters
- Developed, tested and implemented Perl, Bash and UNIX shell scripts for EDI/BI/TPI data transfer, system security and interfacing with oracle
- Architected and administered a real-time backup and restore environment with Netbackup, StorageTek, EMC and NetApp products.
- Interfaced with all levels of management and vendors to support the growing IT infrastructure with a \$1mil+ yearly budget

2004 – 2007 University of Pittsburgh Pittsburgh, PA

**Senior IT & Network Engineer**

- Sr systems engineer for 100+ Linux (RH/CentOS), UNIX (IRIX/AIX/HPUX), Sun Solaris, Windows and MAC servers
- Maintain network infrastructure for more than 400 users with central access utilizing NIS, LDAP, NFS and SAMBA.
- Setup & service 25+ terabytes (SAN & NAS) of storage arrays
- Architected & administered HPC & Beowulf Linux clusters
- Extensive UNIX shell scripting and web applications development on a MySQL/PHP platform.

2003 – 2004 Duff's Business Institute Pittsburgh, PA

**Adjunct Faculty** – *part-time night class instructor*

- Teach courses in the computing/IT department (general computing & access programming).
- Instruct, teach, grade and evaluate student performance.
- Design and implement new teaching protocols

2002–2004 Pittsburgh Cancer Institute Pittsburgh, PA

**Systems Programmer**

- Maintain and upgrade a Win 2K network, administer apache/tomcat web server and several Sun Solaris based data analysis systems.
- Designed new bioinformatics software application for analysis of large data sets using BASH & PERL and perform statistical analysis.
- Designed web sites and applications in HTML, MySQL & PHP
- Program, interface and redesign spectrophotometric imaging system for ex-vivo patient use

1999–2001 Univ Pitt Medical Center Pittsburgh, PA

**Technical Analyst**

- HTML, PERL, CGI Web programming & apache server admin
- Provided computational assistance for multiple projects
- Maintained data repository
- Performed data mining in a IRIX, HPUX, Solaris & Linux environments

1996–1999 JustinSoft Creations Blairsville, PA

**Sole Proprietor**

- PC construction, installation, maintenance and repair.
- Web design and programming
- Individual and group instructional development.
- Prepare paper and electronic tutorials for various technical areas.

**Education**

1999-2002 University of Pittsburgh Pittsburgh, PA

- B.S., Information Science & Biology

2006 University of Pittsburgh Pittsburgh, PA

- Completed 25% coursework towards M.S. in Information Science

Certifications/Training

- NetApp Certified Data Management Admin (NCDA, formally NACE)
- NetApp Certified Solutions Architect (Backup & Restore) - NCSA
- Netbackup 6 for UNIX/Windows – Certificate
- Solaris Certified Systems Administrator – SCSA

## **Skills**

### Computer / IT:

**OS** – Windows (3.1-Vista), Unix, Linux (Redhat, Fedora, Mandrake, Ubuntu, CentOS), Solaris 7-10, IRIX, DOS, MAC OS, VMware

**Software** - MS Office, Bootcamp, Photoshop, Macromedia, Norton, Roxio, VMware, LabView, Apache, Visual Studios, ITK

**Database** - MS Access, Oracle, MySQL, Postgres

**Programming** - Basic, VB, HTML, dHTML, Unix, SQL, VBA, Matlab, Perl, other miscellaneous shell languages

**Hardware** – system construction, maintenance and repair, CPU installation, BIOS configuration, hardware installation and setup

**WEB/Dev** – Apache 1-2, Tomcat, websphere, java applets, CGI, PERL

**Network/Internet** - network architecture, TCP/IP, DNS, WINS, VPN, WAN, BIND, Cisco, sendmail, qmail

**Teaching/Tutorials** - individual and group instruction, written tutorials, e-guides, newsletters

**Storage** – SAN, NAS, RAID0-5, NFS, iSCSI, FC, NetApp, EMC Clariion Arrays

**Authentication/Transfer** – Kerberos, NIS, LDAP, telnet, rlogin, ssh, sftp, ftp, scp

### Other:

**Engineering** - ability to diagnose, design and repair equipment, both electrically and mechanically

**Languages** - midlevel fluency in Spanish, elementary fluency in Chinese

**Project Management** – ITIL, cross functional management, financial justification, documentation, project reports

**Travel** - willingness to travel locally and abroad for extended periods of time, previous experience with international consulting and travel

**Business Management** - proficient in all areas of business management including administration, purchasing, personnel, production, budgeting

**Business Environment** - skilled at analyzing business situations, producing business plans and results, Adaptable to the changing needs of the business environment, Practiced at seeing the "big picture" in a company

**Problem Solving** - expert at solving problems in a timely manner, rationalizing and providing an analytical and logical viewpoint on a situation