

DOUG WEATHERS

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Aerospace Engineering Student • Seasoned Network Engineer

My Mission: To contribute in a material way to the creation of a spacefaring civilization

I am committed to helping humanity advance into space. For this reason I left a twenty-year career as a highly paid, skilled, and sought-after computer network engineer to study aerospace engineering. The work history below shows that I have been a valuable and effective employee in responsible and skilled positions.

I have outstanding communication skills, with a proven ability to relate highly technical information in an easily understandable manner at all levels. I am a resourceful, creative thinker with the ability to multi-task and prioritize deadlines. I'm highly motivated and dependable, with a passion for finding elegant and appropriate solutions to my customers' problems.

I am an energetic and talented IT professional with a demonstrated ability to provide robust, flexible, and affordable network systems. I have extensive hands-on experience in IT infrastructure, from needs analysis and design, to installation, testing, troubleshooting, repair, and maintenance.

At this time I am seeking a part-time or co-op position that will fulfill my mission statement while allowing me to continue with my schooling. After my graduation (expected December 2010) I plan to transition to full-time employment.

AEROSPACE ENGINEERING

Junior, B.S. Aerospace Engineering

2007 – 2009

New Mexico State University, Las Cruces, NM

Studying for Bachelor of Science in Aerospace Engineering at NMSU. Junior year, GPA 3.2. Selected classes: Aerodynamics I, Aerospace Structures, Thermodynamics I, Differential Equations I, Engineering Analysis I. Experience with Unigraphics NX, MATLAB, MathCAD. Graduation expected in December 2010.

PROFESSIONAL EXPERIENCE

Summer Intern

2008

New Mexico Spaceport Authority, Las Cruces, NM

Designed and built datamining system with MS Excel to aid in predicting winds at Spaceport America launch site. Worked with WSMR meteorology office to interpret and expand collected weather data. Represented NMSA to public at Otero County Fair, ISPCS Symposium, and Roswell UFO Festival.

Network Security Analyst/Network Engineer

2005 – 2006

Redhawk Network Engineering, Bend, OR

Performed network security discovery at customer network sites. Conducted interviews, analyzed data, and produced final report with recommended action plan. Performed network troubleshooting and repair. Configured and installed networking hardware.

Key Accomplishments:

- Performed network security audit and produced action plan for bringing an Eastern Oregon bank into FDIC compliance.
- Streamlined and improved Redhawk's security audit procedures.
- Installed, configured, and provisioned secure equipment racks in Redhawk co-location facility; configured and installed IBM blade server chassis for customer in ISP's co-location facility; configured and installed network switches and routers for Redhawk customers.

PROFESSIONAL EXPERIENCE CONTINUED

Network Administrator

2001 – 2005

St. Charles Medical Center, Bend, OR

Sole administrator for 2000+ node 24x7 hospital data network. Researched and applied progressive network design and development strategies. Leveraged skill with several innovative systems analysis and design methodologies to increase network uptime with minimal staff. Performed advanced troubleshooting using protocol analyzers and performance monitoring tools.

Key Accomplishments:

- Designed and implemented wireless network integrating voice and data, supporting critical hospital applications and wireless VoIP telephony. Completed project within three-month deadline.
- Deployed and managed MAN/WAN and firewall including benchmarking and quality assurance checks.
- Implemented performance monitoring and alerting system, improving response time and reducing downtime for critical network components and applications.

Systems Administrator

1990 – 2001

Metro, Portland, OR

Administered Novell NetWare and GroupWise environment, coordinated installations and upgrades, and ensured efficient systems operations. Configured and deployed applications to Windows desktops using ZenWorks. Provided end-user support of Windows desktops.

Key Accomplishments:

- Specified requirements for networking new construction; designed, installed, and maintained LAN spanning all buildings at Oregon Zoo campus.
- Upgraded agency LAN for PeopleSoft financial software replacing the Unisys mainframe; implemented report and payroll printing on NetWare printing architecture; deployed PeopleSoft client software to Windows desktops with Novell ZenWorks; managed networking aspects of PeopleSoft deployment.

ADDITIONAL EXPERIENCE

Network and Hardware Technician

1989 – 1990

Alpha Computers, Tigard, OR

Installed and maintained onsite LANs for customers. Diagnosed and repaired customers' computers and printers.

EDUCATION & CERTIFICATIONS

In my junior year of Aerospace Engineering coursework at New Mexico State University**Three years of Computer Science coursework at University of Oregon****Novell Certified NetWare Administrator – Instructor Level****PeopleSoft Client Software & Network Architecture Course****Compaq Certified Repair Technician****Apple Certified Repair Technician**