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QUALIFICATIONS

In my current role as laboratory director, I have been charged with the management of a large computing environment, and with the task of making that environment meet the disparate needs of a heterogeneous group of users. During my tenure as director, the lab has come in under-budget and ahead of schedule on our replacement cycle. Under my leadership the department has continually implemented new technologies, and frequently been leaders in the University at large for computing projects. As a member of the technical community at Duke, I have participated in many University-wide working groups to help clarify and codify the computing and technology needs of the University. I have frequently helped to write those procedures and make the recommendations adopted to solve those issues.

I am well versed in all aspects of systems administration including: routing, DNS, NIS/PAM, NFS, SMTP, security, httpd servers, kerberos, and hardware/software support.

I have a thorough knowledge of computers, including most platforms: UNIX, Windows 98/2000/NT/XP/2003(server), Linux, and Macintosh OS/X. I have a detailed knowledge of many software packages, and am proficient in Perl and C programming. I am also familiar with Java, HTML, javascript, and most web-based languages/markups including web-based SQL databases.

I have a strong mathematical background including familiarity with research and research methods, implementation, and analysis of mathematical modeling.

RELATED EXPERIENCE



[Duke University - Computer Science](#), **Laboratory Director**
(**Senior Systems Administrator**). Durham, NC March 1997
to present.

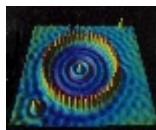
- **Managerial duties** include:
 - oversight of annual purchasing budget of \$300,000
 - supervision of 5 person technical staff
 - policy creation and implementation
 - technical liaison to faculty and larger university community
 - systems and network planning

- **Technical responsibilities** include:
 - network planning and implementation
 - web administration
 - security
 - mail/SMTP, DNS, NIS
 - systems programming
 - all hardware/software support in an environment supporting over 1000 workstations/servers and several hundreds of users. Systems include: Solaris 2.x Sparc/x86, IRIX, Windows 95-98/NT-2000-XP-2003(server), MAC-OS/X, FreeBSD, and Linux.



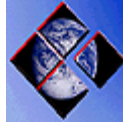
[Duke University - Computer Science](#), **Systems Administrator**. Durham, NC January 1996 to March 1997.

Technical responsibilities include: network planning and implementation, web administration, security, mail, DNS, NIS, usenet news, systems programming, and hardware/software support in an environment supporting over 200 workstations and several hundreds of users. Systems include: Solaris 2.x Sparc/x86, Solaris 1.x, OSF, IRIX, Windows 95/NT, MAC-OS, and Linux.



[Electron.net](#). **Senior Consultant** Raleigh, NC December 1995
to present. Providing support in a variety of areas including
security, routing, DNS, usenet news, sendmail, modems,
terminal servers, and web administration for a variety

architectures including Intel and Sparc.



NandO.net, Senior Systems Administrator. Raleigh, NC
December 1994 to January 1996. Responsible for: web administration, security, mail, DNS, NIS, usenet news, systems programming, hardware/software support in an environment supporting over 20,000 users. Supervision of network configuration and support for a heterogeneous LAN/WAN environment supporting several thousand nodes. Familiar with ISDN, TCP/IP routing, PPP, and all technical aspects of maintaining a dial-up service.

NC State University, Graduate teaching assistant. Summer 1994 to Fall January 1995. Tutored undergraduate students in physics and engineering, instructed students in the use of computer-adapted physics resources.

EDUCATION



North Carolina State University - Raleigh, 1994

Previous Ph.D Candidate; Department of Physics.



University of North Carolina - Asheville, 1993

Bachelor of Science; Degree in Physics with a minor in mathematics.

COMMUNITY SERVICE

- Enterprise E-mail
 - Recommend and review specs for new University-wide email system
- Network Review Committee
 - Review network technology for University
- Arts and Sciences senior administrators
 - Discuss and make recommendations to Assoc Dean of Computing A & S
- ITAC Network
 - Review standards for networking at Duke
- PAST:
 - TASC - 2001
 - Made recommendations to the provost concerning the infrastructure at Duke
 - IT Security Advisory Committee - 2001
 - Made recommendations to Duke about security policy and guidelines

PROJECTS

I am also the creator and maintainer of the Solaris patch program [PatchReport](#), an automated patch utility for the Solaris 2.x operating system. PatchReport is widely used and has been featured in several major publications. It also has a spot in the [Solaris 2 FAQ](#).

PUBLICATIONS or FEATURED WORK

[A Patch-Work Column](#) [SunWorld - Online](#) March 1999.

[Toolman Meets Patchreport](#) ;login December 1997.

References available upon request