

# Daniel Churchill

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## Objective

To be employed in the information technology industry in a work environment that fosters learning and creativity.

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## Professional Experience

**5/1/96–9/30/00** **Red Rock Central High School** **Lamberton, MN**

### **RRCNET Systems Operator**

A catchall position within RRCNET, an Internet and web services provider owned and operated by Red Rock Central High School. Required the versatility to become proficient at any task that was necessary at any given time. Major accomplishments:

- Performed the day-to-day operation of a Digital Unix mail, web, and name server.
- Maintained a Novell Netware 4.11 server (new users, patches, backups, etc.)
- Designed the original RRCNET web site; the basic structure is still in use today.
- Managed two Cisco routers.
- Installed and configured two WatchGuard Firebox II firewalls.

**9/1/96–5/19/00** **Macalester College Computing & Information Technology** **Saint Paul, MN**

### **User Services Student Employee (9/98–5/00)**

- Delivered and set up new and reallocated systems.
- Performed migration of data and programs from old systems to new.
- Guided inexperienced users through the use of their new operating systems and programs.
- Upper tier troubleshooting of software problems.

### **Assistant Hardware Technician (7/98-8/98)**

- Delivered and set up new computers, including one 24-machine lab.
- Assisted with the installation/activation of new network jacks.
- Helped perform cross-connects on both 66- and 110-blocks, for both phone and data communications.
- Diagnosed and repaired hardware-related failures of Dell, Omnitech, and Macintosh PCs.

### **Networking Student Employee (9/96–5/98)**

- Configured DOS and Windows 3.1 workstations for operation on Novell 4.11 network.
- Set up and tested Windows 95 systems in preparation for campus-wide deployment.
- Troubleshot problems with PC hardware, esp. regarding network connectivity.

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## Education

**1996-2000** **Macalester College** **Saint Paul, MN**

*B.A. magna cum laude. Computer Science major, Music minor, 3.81 cumulative GPA*

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## Computer Experience

**Operating Systems** – Significant administration experience in Linux, Digital UNIX, and Novell Intranetware 4.11. Knowledge of usage and troubleshooting of MS-DOS, Linux, Mac OS, Windows 3.11, 95, 98, NT4 Workstation, and 2000 Professional.

**Networking and Internet** – Thorough knowledge of TCP/IP, DHCP, and DNS configuration issues. Very familiar with the configuration and operation of the Apache web server and the BIND name server daemon.

**Programming** – Experience building C++ programs in Windows and Linux, as required for college coursework. Extensive Perl experience using CGI to allow user input from the web, as well as to create a front end for MySQL databases. Understanding of object oriented, procedural, and functional design. Familiar with HTML and Javascript.

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## Achievements and Honors

- Wrote and defended an honors project, *Reactive Planning in a Fully Embodied Robot Arm*.
- Recipient of Macalester Math & CS department's Konhauser Award in Computer Science, the highest departmental award given annually to one computer science major.
- Member of Phi Beta Kappa and Upsilon Pi Epsilon honor societies.
- Microsoft Certified Professional