Phone: 919-850-0473
E-mail: jobs@linuxrouter.theb.org
Address available upon request

# Ryan Bebeau

**Objective**

To work in a cutting edge computer environment doing network security, system administration, software development and other computer related fare.

**Work Experience**

4/2001 – Present AT&T WorldNet Morrisville, NC
**Sr. Network Security Engineer/Software Developer/System Administrator/Network Security Administrator**

- Promoted to team lead of Network Security Team that currently consists of 5 members total
- Learned Borland C++ to aid in GUI development of front end programs that are used by IISS agents
- Migrated data from old SGI machines to new IBM/Dell servers
- Continued to configure and maintain firewalls, internal/external DNS servers/caches, Samba server, internal LAN, external services, Web servers, SSH servers and MySQL database servers
- Wrote and maintained programs to check for e-mail relaying and open proxies. The programs are used by the MIS team to verify that a customer does have an insecure server on their site.
- Administrator of the abuse-att.net domain. Worked with the e-mail team in NJ to forward e-mails to our domain
- Wrote programs/scripts and implemented various features on demand to help other agents and teams with their work
- Wrote DSL lookup tool which combines 3 tools into one easy to use interface that reduces lookup time for an agent to about 20 seconds. Before this tool was written, agents had to contact a member of the DSL team to receive this information
- Available 24/7 to troubleshoot server problems and remotely administer machines
- Called on by members of my team/other teams for help with programming, PC troubleshooting and new tool ideas
- Created off-site backup solution to comply with disaster recovery policies
- Set up new IBM/Dell servers to split up workload and thus improve agent efficiency
- Confirmed that all external servers were hardened with paranoid firewalls
- Set up servers to handle Insight Broadband customer complaints
- Tracked and reported Code Red infections on the internal network
- Attended Code Red meeting at IBM

1/2000 – 4/2001 AT&T WorldNet Morrisville, NC
**Software Developer/System Administrator/Network Security Administrator/Network Security Engineer**

- Developed and implemented an e-mail system to filter e-mail, track statistics, archive e-mail and track tickets.
- Developed several CGI programs to interface with e-mail filtering system
- Configured and maintained firewalls, DNS servers, Samba servers, Web, SSH, e-mail servers and databases on machines running Linux.
- Performed system maintenance and automated backup procedures.

7/2000 – 1/2000 Lucent Technologies Cary, NC
**Service Tester/Developer**

- Tested several services (Televoting, Advanced Toll Free, Flexible Network Routing, etc.) for the Service Management System.
- Wrote programs in Perl to assist with data migration and testing.

9/1998 – 1/1999 UW-Madison – SSCC Madison, WI
**Unix Administrator Assistant**

- Reviewed current Internet security on several UNIX systems and proposed solutions to make systems more secure.
- Researched, installed and maintained Internet security tools on systems.
- Wrote programs to assist system administrator in providing better user and Internet security.

Summers 1997, 1998 AT&T Labs Lincroft, NJ
**Software Developer – WorldNet Network Management Group**

- Created Perl 5/JavaScript/Java web-based front ends for setup/management/configuration of network server complexes.
- Performed tests on network management software.
- Helped other interns in learning languages, operating systems and debugging.
- Attended 2 day course in Java programming presented by Sun Microsystems.

## Education

1995 - 1999 University of Wisconsin - Madison Madison, WI
**B.S. / Computer Sciences**

- Major Classes: Computer Architecture, Computer Networks, Operating Systems, Data Structure, Digital Systems, Machine Organization, Linear Algebra, Algorithms, Artificial Intelligence, Database Management Systems, Linear Programming Methods, Computer Graphics, Computational Neuroscience

## Computer Experience

- Operating systems: Linux, UNIX, Windows 2000/NT/98/95
- Programming languages: Perl, C++, Borland C++, HTML
- Networking: Security, TCP/IP, Internet protocols, IPSec, Public/Private Key Encryption, Scanning software (nmap, Nessus), Firewalls, Routing, Ethernet, DNS, E-Mail, HTTP, Wireless Security, SSL

## Activities

- Certified Information Systems Security Professional (CISSP)
- American Red Cross Blood Donor
- Admitted to the College of Letters and Science Honors Program at UW-Madison
- Attended SANS New Orleans 2001, NetSec San Francisco 2000 and DefCon 8

Latest version of resume available at:
http://www.cs.wisc.edu/~bebeau/resumeselect.html
Last updated: February 20, 2003