

Chad M. Huneycutt

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Education

- A.B.D in Computer Science** September 1997 - present
Georgia Institute of Technology
- M.S. in Computer Science** May 2005
Georgia Institute of Technology
- B.S. in Computer Science, *cum laude*** May 1997
Furman University

Experience

- Georgia Institute of Technology College of Computing** Atlanta, Georgia
Research Scientist I with Technology Services Organization (TSO) Jan 2005 - present

Provided primary/first-line support (installation, configuration, troubleshooting, etc.) of HPC resources in the college, including 11 clusters with almost 300 nodes.

Participated in grant proposals with other researchers as co-PI.

Along with one other person, as well as "lab manager" representatives from each lab, assessed, recommended, and supported (when necessary) the special technology needs of over 300 researchers in more than 60 research groups in the college.

Built cluster of IBM Cell blades from the ground up, including physical installation, networking, OS installation, OS configuration, authentication, and software installation of the management node (DHCP, DNS, tftp, kickstart, ldap, nfs), user node (CellSDK, PBS), and Cell compute nodes.

Was Responsible for "managed" linux distribution for the College, including unattended installation, update management, and integration with College accounts and file systems.

Supported research collaboration through maintenance of web-based collaboration tools like wikis, VCS tools, and mailing lists.

- Georgia Institute of Technology College of Computing** Atlanta, Georgia
Ph.D. Student Aug 1997 - present

Over the past 8 years I have worked with several professors on research in the areas of computer architecture and compilers. The bulk of my time has been spent on a dynamic binary rewriting system that I wrote to explore software caching.

- Self-employed** Duluth, Georgia
Consultant Sep 2003 - present

Fritz Orthotics & Prosthetics, Athens, Georgia

Securely extended the office LAN to a new branch office in another city. The primary tasks were: 1. deploying a server running Windows Server 2003 as application and file server, 2. establishing a VPN between the two offices (utilizing a commodity Netgear FVS318), and 3. remotely monitoring and administering the network to maintain connectivity.

Futura International, Clearwater, Florida

Installed and configured several software packages, including database trial packages so that this small medical software company could test compatibility of their programs.

**Nortel Networks Access Networks
Web Development Consultant**

**Alpharetta, Georgia
Jun 1998 - Aug 1999**

Developed a web application using HTML, Javascript, and TCL (for CGI and database queries) that enforced change management vote deadlines and authored user documentation of the application.

**Advanced Automation
Systems Support**

**Greenville, South Carolina
Oct 1996 - August 1997**

Developed software for the FastFlex System (C and C++). I also set up and administered QNX networks used in FastFlex installations.

**Furman University
Help Desk Supervisor**

**Greenville, South Carolina
Sep 1995 - Dec 1996**

Worked at the Help Desk troubleshooting and installing both faculty and student computers. I was also responsible for dispatching other students to deal with help requests.

Skills

Linux/Unix

Familiarity with various flavors of *nix, including HP-UX, Solaris, QNX, and Linux

Two years experience as developer for Gentoo Linux distribution with responsibilities including laptop software package maintenance (pcmcia-cs, i8kutils, etc.) and providing support to users via mailing lists, IRC, and forums on topics like installation, configuration, troubleshooting.

Experience configuring many standard service packages, including apache, postfix, bind, yp, nfs, etc.

Thirteen years of Linux tinkering, including installing and configuring many distributions including Slackware, Redhat, Mandrake, and Gentoo.

Computer Languages (best)

C, Java, TCL, {ba,tc,c}sh, make

Computer Languages (competent)

C++, perl, automake/autoconf, SPARC assembly, Ruby

Computer Hardware

Over 10 years of hands-on experience with PC's, including taking apart, reassembling, and troubleshooting everything from a 386SX to an IA64e to a Sun E450.

Computer Networking

Familiarity with Cisco IOS/CatOS and VMPS for basic configuration and debugging.

Coursework

Compiler Construction, Computer Graphics, Distributed Computing, Machine Learning, Computer Networks, Computer Architecture, Advanced Operating Systems, Analysis of Algorithms, EPIC Compiler Design, EPIC Architectures, Algorithms and Complexity, Object-Oriented Systems, Advanced VLSI Design, Integrated Circuit Fabrication

Honors

NASA/JOVE Research Fellow	1995-1997
Upsilon Pi Epsilon Computer Science Honorary Society	1995
Served as President from Aug 1996 - May 1997.	
Pi Mu Epsilon Mathematics Honorary Society	1996
Phi Eta Sigma Freshman Honorary Society	1994

Affiliations/Service

GT College of Computing Graduate Student Committee CNS liaison	2004-2005
ACM (Association for Computing Machinery)	1996-
IEEE (Institute of Electrical and Electronics Engineers)	1998- 2007

Citizenship

U.S. Citizen

References

Available Upon Request