

NICHOLAS HAGGIN

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JOB OBJECTIVE

A challenging job in programming and/or system administration.

SKILLS

- Microsoft Windows
 - Experienced installing, configuring, and using Windows 95, 98, and 2000
 - Familiar with Windows 2000 administration/maintenance tools
 - Good understanding of SMB/CIFS file and printer sharing
- Linux (Intel x86) Administration
 - System services: X, Apache, Samba, ISC DHCP, IPsec (2.6 kernel/BSD-style), OpenSSH, CUPS, BIND, NFS, Jakarta Tomcat, OpenLDAP
 - Experienced configuring and building Linux kernel
 - Comfortable working at Unix console
- Programming
 - Hardware architectures: x86, ESA/390
 - Languages: C, C++, Python, Perl, Java, IBM Assembler, COBOL, Unix shell (sh, bash), Unix tools (lex, yacc, make), PHP, Common Lisp, VHDL
 - Document technologies: \TeX , \LaTeX , (X)HTML, XML, CSS, XSLT, DocBook
- Databases
 - Experienced administering PostgreSQL, versions 7.3-8.1
 - Experienced installing and configuring Slony-I replication engine for PostgreSQL
 - Experienced with JDBC, Python DB-API, and Perl DBI programming, interfacing to MySQL, Oracle 8i, PostgreSQL, and SQLite
- Networks
 - Solid understanding of networking theory, reference models, and TCP/IP protocols
 - Experienced installing and configuring Ethernet cabling, interface cards, and unmanaged switches
- General
 - Solid theoretical understanding of computer science and computer system software

WORK EXPERIENCE

- **Network and Systems Services Analyst** November 2004-Present
CITES University of Illinois, Urbana, IL
 - Reacted to system and network outages, determining faults and assigning trouble tickets
 - Provided support to network administrators
 - Programmed and administered SNARP, a tool giving network administrators access to a database of historical network configurations
 - Administered group internal database (MySQL and PostgreSQL), including hardware upgrades
 - Maintained and enhanced group internal documentation system
 - Proposed and led project for remodeling of group workspace
 - Facilitated requirements gathering for new contacts management system
 - Managed project to build new contacts management system
 - Deployed revision-control system for internal software
 - Authored and maintained documentation

- **Web Development Server Administration** November 2003-August 2004
Dr. Kathi Hogshead Davis Northern Illinois University, DeKalb, IL
 - Installed and configured web development server using Red Hat Linux
 - Administered user accounts, HTTP and JSP servers
 - Wrote user and administrative scripts in Python and shell (bash)
 - Taught Unix administration fundamentals to co-worker and professor

- **Graduate Research Assistant** May 2003-December 2003
Department of Computer Science Northern Illinois University, DeKalb, IL
 - Programmed artificial intelligence code in a functional programming language
 - Improved a Java/Swing user interface
 - Programmed internal communication components using TCP/IP sockets
 - Created an automated testing framework capable of extension with AI routines

- **Graduate Teaching Assistant** June 2002-May 2003
Department of Computer Science Northern Illinois University, DeKalb, IL
 - Assisted with delivery of introductory course in C
 - Assisted with advanced course in mainframe data processing
 - Graded programming assignments, quizzes, and examinations
 - Conducted individual help sessions with students to resolve programming problems

PUBLICATIONS

- **Using a Domain-Independent Reactive Planner to Implement a Medical Dialogue System**
with Reva Freedman, D. Nacheva, T. Leahy, and R. Stilson.
Published in Papers of the AAAI 2004 Fall Symposium on Dialogue Systems for Health Communication.

EDUCATION

- **Northern Illinois University** DeKalb, IL
Master of Science in Computer Science, August 2004
- **University of Illinois** Urbana-Champaign, IL
Bachelor of Science in Computer Engineering, May 2001

PERSONAL QUALITIES

- Outgoing and cheerful
- Excellent presentation, speaking, and writing skills; firm command of English grammar
- Able to read, write, and speak German
- Able to read Latin
- Highly self-motivated; eager to learn new skills and apply them