

Peter A. H. Peterson

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EDUCATION **University of California, Los Angeles**, Los Angeles, California
M.S. Computer Science, June 2008 (expected)

- Current GPA: 3.52

North Park University, Chicago, Illinois
Diploma [B.M.E.] in Music Education, May, 1999

SKILLS

- Languages: Proficient in Perl, Python, shell scripting, HTML, CSS, and SQL. Some experience with C/C++, Java, PHP, Scheme, OCaml, Prolog, and L^AT_EX.
- Applications: Skilled in configuring and using Apache, most SMTPDs, iptables, Snort, tcpdump, MySQL/PostgreSQL, Mailman, grsecurity, Bind, IPSec, X Window System, CVS.
- System Administration: Expert with Unix/Linux (especially Debian/Ubuntu), and Microsoft Windows (all versions). Expert with Linux/Windows integration, switch and network management and physical phone and data network wiring.
- Excellent troubleshooting, debugging, and communication skills.

WORK EXPERIENCE **University of California, Los Angeles**, Los Angeles, California
Teaching Assistant **July 2007 – June 2008**
Developed innovative homework curriculum for graduate and undergraduate Computer Security courses. Will grade assignments and hold discussion sections and office hours for those courses in Winter and Spring 2008. Graded projects and exams for Computer Organization in Fall 2007.

The Yucaipa Companies, West Hollywood, California
Director of Information Technology **October 2005 – August 2006**
Led a complete overhaul of corporate infrastructure with an emphasis on security. Designed and installed highly secure corporate LAN and WAN using Linux, grsecurity, and other tools. Developed lightweight system monitoring software and a remote user support system. Installed and maintained Linux and Windows servers with encrypted RAID. Performed data recovery, created encrypted backups, and provided user support. Handled purchasing and contracts, and managed a team of three other system administrators. Made critical decisions in a high-pressure, time-sensitive environment.

North Park University, Chicago, Illinois
PC Coordinator and Part Time Adjunct Professor **July 1999 – June 2005**
Held senior technician position supporting campus technology infrastructure. Developed Perl software for web-based Windows user management and third-party application integration. Maintained and managed a redundant campus-wide phone and data network. Configured and maintained a Network Intrusion Detection System for the campus. Participated in a traditional PBX to VoIP migration. Taught an Introduction to Computer Networking course for undergraduate CS majors.

RESEARCH AND INTERESTS

- Improvement and expansion of Free and Open Source software.
- Data mining and leveraging latent structure in large data sets.
- Inherited and vertically enforced security policies.
- Access controls that consider environmental data.

REFERENCES Available on request.