

# David W. Parter

## Work Address

Computer Systems Lab  
Computer Sciences Department  
1210 West Dayton Street  
Madison, Wisconsin 53706  
(608) 262-0608  
dparter@cs.wisc.edu

## Home Address

512 South Orchard Street  
Madison, Wisconsin 53715  
(608) 251-3625

## Experience

- 1995-present. Assistant Director and Senior Systems Administrator, University of Wisconsin-Madison, Department of Computer Sciences, Computer Systems Lab. Responsibilities include overall direction of Unix and Windows NT/2000 Systems Administration and Software Support activities, policy development, purchasing, budgeting, coordination of professional software/system administration staff and supervision of student staff, and coordinating recruiting/hiring staff as needed. Technical responsibilities include network management and planning, security, network information services, operating systems, programming tools, software development, software and hardware evaluation, staff and user training, coordination with vendors and others in the field. Also service on a number of campus information technology advisory committees.
- 1991-1995. Systems Administrator, University of Wisconsin-Madison, Department of Computer Sciences, Computer Systems Lab. Support of various research projects in the Computer Sciences Department. Responsibilities and assignments include network management and planning, security, network information services, operating systems, programming tools, software development, participation in policy development, software and hardware evaluation, staff and user training, participation in purchasing and budget process, coordination with vendors and others in the field.
- 1991-present. System administration and network consulting for various clients.
- 1989-90. Software Engineer, Motorola Inc., Urbana IL. Advanced product research and development, Postmaster, network planning and support, porting and developing network-related software, Unix software development, Unix kernel development, software quality, software testing. Chair, site-wide software quality task force.
- 1987-89. Member of the Technical Staff, Gould Electronics, Urbana IL. Unix software development, Unix kernel development, testing, software quality, performance, field test support, customer service support.
- 1985-86. Systems Administrator (Student hourly), University of Wisconsin-Madison, Department of Computer Sciences, Computer Systems Lab. Unix System administration, software staff coordination, Unix software development.

## Education

B.A. in Computer Sciences, University of Wisconsin-Madison, December 1991

## Major Projects

- Graduate Admissions Online Application, implemented in Mason and postgresql (Fall 2003)
- Network infrastructure upgrade (2002-2003)
- Implemented transparent firewall for Computer Sciences network (2000)
- Implemented authenticated wireless network for Computer Sciences (2000)
- IMAP mail service for the CS department (1999)
- *Learning on Demand* (1996-1998)
- XUNET/Blanca network research project (1/4 time) (1992-1996)
- Critical Infrastructure Protection Through Analysis of Reliability and Trustworthiness research project (20% time) (2001-2002)
- Implemented request tracking system for CSL (1992-93)
- Implemented various network monitoring/measuring projects including mrtg and cricket for the CSL
- Implemented department FTP server, Gopher Server, WWW server, tech report archive (1992-95)

## Professional Activities

- member, Usenix Association
- member, Systems Administrators Guild (SAGE)
- SAGE Executive Committee member (December 1999-present)

- SAGE President (March 2001-January 2003)
- Program Committee, 16th Systems Administration Conference (November 2002)
- Program Committee, 14th Systems Administration Conference (December 2000)
- Program Chair, 13th Systems Administration Conference (November 1999)
- Conference Committee, 12th Systems Administration Conference (December 1998)
- Program Committee, 1st Usenix Large Installation System Administration of Windows NT Workshop (August 1997)
- SAGE Publications advisory group (1996-1999)
- USENIX Campus Representative (1996-present)
- SAGE Policies Working Group (1995)
- Founder and coordinator, Madison Area System Administrators' Guild (mad-sage)
- Coordinated network projects with Madison Middle School 2000, Madison Metropolitan School District (1995-98)

#### **Papers, Talks and Technical Presentations**

- *Splat: A Network Switch/Port Configuration Management Tool*, 17th Systems Administration Conference, October 2003, San Diego, CA.
- *Professional Growth and Development* "Guru" session, 17th Systems Administration Conference, October 2003, San Diego, CA.
- Guest Speaker, Washington, DC area Systems Administrators' Guild, August 5, 2003
- *System Administration* "Guru" session, USENIX 2003 Annual Technical Conference, June 2003, San Antonio, CA.
- Guest Speaker, Michigan Technological University System Administration Seminar, May 28 2003.
- Invited participant, *Advanced Topics Workshop*, 10th - 17th Systems Administration Conferences (1996-2003).
- Invited participant, *University-level Systems Administration Education Workshop*, 13th Systems Administration Conference (December 1999).
- Panel chair, "Managing Computers for Academics", 11th Systems Administration Conference (October 1997)
- Several technical talks for the Madison Area System Administrators' Guild and the Computer Sciences Department

#### **Campus Committees**

- Graduate School confidential committee of inquiry (summer 2003)
- CS Department representative, Campus Technical Issues Group (ongoing)
- Campus Network Design Review Team, May 2002
- Ad-hoc team on campus DNS/Namespace issues
- Ad-hoc team to organize a Campus Incident Response Team (now BadgIRT) (1999-2000)
- Tech-Partners Steering Committee (October 1998 - June 2001)
- Campus Network Authentication and Authorization study team, (1995-1996)
- Founder, UW-Unix group (1997)

#### **Technical Skills and Knowledge**

Programming and scripting languages: C, Perl, sh/ksh, Pascal.

Other languages: LaTeX, HTML, SQL.

Systems and Protocols: Solaris, Linux, BSD4.x, TCP/IP, DNS, SMTP, IP Routing, Cisco IOS, Kerberos, AFS, NFS, Mason, PostgreSQL, Apache

Familiar with: C++, Java, Python, Fortran, Lisp, tcl/tk, Windows 2000/NT.

Additional areas of experience: Network and Computer Security, Configuration Management

**References available upon request.**