Jeffrey A. Turkstra

Education	

Purdue University – West Lafayette, IN
Master of Science Degree in Electrical and Computer Engineering (MSECE) – May 2007
GPA: 3.5
- Purdue University Charles C. Chappelle Fellow
- 2005-2006 Graduate Student Teaching Excellence Award Recipient
- 2004-2005 Magoon Award Recipient for Outstanding Teaching Assistant

Bachelor of Science Degree in Computer Engineering (BSCmpE) – May 2004
GPA: 3.49
- Giles Morrill Memorial Scholarship Recipient
- Dean's List (2 Semesters) and Semester Honors (4 Semesters)
- Engineering Projects In Community Service (EPICS) Project Leader (August – December 2003)

Work Experience	

Purdue University – West Lafayette, IN
Research Assistant - Engineering Computer Network (ECN) (08/2006 – 05/2007; 10 hours/week)
- Assisted in the development and testing of storage area network (SAN)-related devices, software, and firmware

Instructor - School of Electrical and Computer Engineering (08/2006 – 05/2007; 30 hours/week)
- Advanced C Programming - ECE 264 (Fall 2005 semester)
  - Autonomously managed class of 92 students, preparing and delivering four 50 minute lectures per week
  - Responsible for creation of all course related material (homework assignments, quizzes, lectures, and exams)
  - Supervised two graduate teaching assistants and one undergraduate grader
- Software Engineering Tools Laboratory - ECE 364 (Spring 2006, Fall 2006, and Spring 2007 semesters)
  - Managed class sizes of 58, 30, and 65 students, preparing and delivering one 50 minute lecture per week
  - Responsible for creation of all course related material (laboratory exercises, lectures, and practical exams)

Research Assistant - Engineering Computer Network (ECN) (08/2004 – 08/2005; 30 hours/week)
- Managed various aspects of a joint grid computing project between Sun Microsystems and Purdue University

Teaching Assistant - School of Electrical and Computer Engineering (08/2004 – 05/2005; 10 hours/week)
- Similar to ECE 364 instructor position above, independently managing lab sections with 10-20 students

Peer Counselor - Division of Financial Aid (05/2002 – 05/2004; 5 hrs/wk during school, 40 hrs/wk in summer)
- Involved six week training period
- Provided telephone and face-to-face counseling for students and parents with financial aid questions and problems
- Advised students and parents of financial options and details regarding types of aid and aid programs
- Assisted in training newly hired peer counselors

Software and Programming Experience	

- Extensive experience with all versions of Microsoft Windows, Office, and DOS
- RedHat Linux, Ubuntu, Fedora, Debian, FreeBSD, SunOS, Solaris, CDE, KDE, Gnome
- Java, C++, Python, C, Fortran 90/95, PHP, SQL, CVS, RCS, HTML, CSS, Kornshell, VHDL, Visual Basic
- Apache, Bind, SSH, Samaba, NFS, Sendmail, Cron, as well as numerous other *nix daemons

Extracurricular Activities	

Purdue Ski & Snowboard Club (2004 – 2007)
- Travel includes Steamboat, CO; Keystone, Vail, Arapahoe Basin, and Copper Mountain (Summit County, CO); Big Sky, MT and Moonlight Basin; and Jackson Hole, WY

Purdue Skydiving Club (2006 – 2007)

Purdue "All-American" Marching Band (2000 – 2007)
- Videographer for the 2006-2007 marching season
- Section Leader for the 2005-2006 marching season
- Assistant Section Leader for the 2002-2003 and 2003-2004 marching season
- Records and recruitment officer 2003-2004
- Operations officer 2004-2006
- Travel includes Rose Bowl (Pasadena, CA), Sun Bowl (El Paso, TX), and Capital One Bowl (Orlando, FL) as well as numerous other Big 10 Universities

Gold and Black Sound (GABS) Women's Basketball Pep Band (2001 – 2007)
- Travel includes Dayton, OH (Sweet 16); Knoxville, TN (First & Second Rounds); and Dallas, TX (Sweet 16)

Boiler Brass Men's Basketball Pep Band (2002– 2003)
- John W. Ryan Memorial Scholarship Recipient

Purdue Concert Band (2000 – 2006)

Purdue Symphonic Band (2004 – 2005)

Unreal Internet Relay Chat Daemon (UnrealIRCd) Head Coder (2001 – 2004)
- Maintained the stable branch for an open source Linux daemon

Purdue Low Power VLSI Laboratory Undergraduate Research Assistant (08/2003 – 12/2003; 4 hrs/week)
- Assisted in the development of low power SRAM cache