

MATTHEW HAGEDAL

3000 S Higgins Ave. # B35, Missoula, MT 59081

(708) 524-8329; matthew.hagedal@grizmail.umt.edu

Education

- **University of Montana**—Missoula, MT
Majoring in Computer Science and in Mathematics
 - GPA: 3.38 (overall)
 - Projected Graduation Date: December, 2008

Experience

- **UM Computer Science Department**—Missoula, MT
Research Assistant: September 2007–present
 - Design, maintain, and produce an electronic note taking system (eNotebook).
 - Facilitate user testing of software.
 - Design, build, program, and maintain Floyd, a large distributed visualization wall and Linux cluster.
 - Investigate the effects of forest fire smoke on WRF weather forecast output.
 - Run simulations and produce visualizations on a Cray XD1 supercomputer.
 - Grade student assignments.
- **UM Mathematical Sciences Department**—Missoula, MT
Teaching Assistant: January, 2007–May, 2007
 - Monitor computer labs.
 - Assist students with basic computer programming.
- **Hobby Lobby Stores, Inc.**—Schaumburg, IL
Department Head, Certified Picture Framer: March, 2003–July, 2004
 - Inventory management and buying.
 - Devise and create custom preservation frame designs for artwork.
- **Blockbuster, Inc.**—Schaumburg, IL
Assistant Store Manager: February, 2001–October, 2002
 - Inventory management and loss prevention.
 - Shift leading and customer service.

Skills

- **Operating Systems:** Linux (Ubuntu, Fedora, SUSE), Mac OS X, UNIX (several variants), Windows 2000/XP/Vista
- **Computer Languages:**
 - Proficient in C, C++, C#, Python, Java, PHP, UNIX Shells, \LaTeX , HTML
 - Familiar with Perl, SQL, Fortran

- **Tools and Systems:**

- Proficient with Apache, BIND, CVS/RCS, Make, GnuPG, SSHD, VI
- Familiar with Kerberos, MySQL, NFS, OpenLDAP, OpenSSL, Postfix, Samba
- Experience with high performance/scientific computing tools (netCDF and GRIB file formats, Open MPI, MATLAB, NCL, IBM LoadLeveler, PBS)

Achievements and Activities

- Touch America Scholarship recipient (2008)
- UM Student Faculty Evaluation Committee member (2007, 2008)
- Student volunteer at The International Conference for High Performance Computing, Networking, Storage, and Analysis—Reno, NV (2007)
- Participant in the Alaska Research Summer Challenge—Arctic Region Supercomputing Center, Fairbanks, AK (2007)