

# MATTHEW ERICKSON

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## EDUCATION

University of Illinois at Urbana Champaign, Majoring in Political Science  
Expected Graduation: December, 2007

## WORK EXPERIENCE

**August 2006—Current: Linux Cluster Administrator, UIUC Department of Atmospheric Sciences.** I am responsible for the day-to-day operations of the Manabe cluster, which includes assisting professors and graduate students in running their models, and creating new and innovative solutions to enable more efficient use of the cluster

**August 2005—August 2006: Tech Support, ATLAS, UIUC.** I was student tech support helping professors across the college of LAS use their primarily Windows-based machines. I was then transferred in January 2006 to Atmospheric Sciences to help with their unique desktop support needs.

**Summers of 2004 and 2005: Teen Camp Councilor, Oak Forest Park District, Oak Forest, Illinois.** I was responsible for up to 34 7<sup>th</sup> and 8<sup>th</sup> graders for 8 hours a day, 5 days a week. I had to maintain a schedule and plan even while the children did their best as children do to derail the plans.

**October 2003—November 2004: CITES Help Desk Consultant, UIUC.**

I was responsible for helping users of CITES services, which number close to 100,000. Services include computer virus protection, email, and network file storage.

## NON-WORK EXPERIENCE

**August 2003—Current: Programmer, Robot Design Team.** I am responsible for developing the software stack that controls a robot in the Jerry Sanders Design Competition, held every year during the UIUC Engineering Open House.

## AWARDS

**March 2007: Most Creative Design, Jerry Sanders Robot Design Competition, UIUC.** Awarded due to innovative robot design, utilizing an active-feedback control system driven from an on-board microprocessor controlled over 802.11b.

## SKILLS & EXPERIENCE

**Programming Languages:** C, C++, AVR Assembler, Perl, some Java, some Fortran.

**Web Programming:** XML, HTML, some CSS.

**Databases:** MySQL, MS Access.

**Desktop Systems:** MS Windows, MS Office, Mac OS X, OpenOffice.Org

**Software Architecture:** scenarios, requirements definition, technical specs, developer documentation

**Systems Administration:** Linux cluster administration, including TORQUE, Maui, Myrinet, MPI, and netbooting systems. Remote management of Windows systems via remote interfaces controlled by Perl scripts. Active Directory administration on Windows 2003.

**Operating Systems:** MS Windows NT 5 (2000, XP, 2003), Linux, Solaris