

Kenneth J. Keefe

Education

- 1999 – 2004 Southern Illinois University Carbondale, IL
- BS Computer Science, Summa Cum Laude, May 2004 (CS GPA: 3.9/4.0)
 - BS Mathematics, Summa Cum Laude, May 2004 (Math GPA: 4.0/4.0)
 - Overall University GPA: 3.9/4.0
 - University Honors Student
- 2004 – University of Illinois Urbana, IL
- Enrolled in Master of Science, Computer Science program, Fall, 2004

Professional Experience

- 2004 Argonne National Laboratory – MCS Division Argonne, IL
- Summer Undergraduate Laboratory Internship Participant*
- Worked on problems of group theory with automated reasoning tools such as Otter and Mace4.
 - Searched for single axioms of weak orthomodular lattices.
 - Wrote BASH scripts to translate input files from one program format to another and benchmark two or more theorem provers or strategies.
 - Wrote BASH scripts to generate HTML reports of the benchmarking results.
- 2003 Argonne National Laboratory – MCS Division Argonne, IL
- Summer Undergraduate Laboratory Internship Participant*
- Performed automated reasoning research related to the use of local search strategies in model finding of lattice theory, group theory, and other algebras in an effort to expand the capabilities of MACE4.
 - Learned and used Otter 3.0, MACE2, and MACE4.
 - Studied software verification techniques and software such as ACL2 and SPIN.
- 2002 – 2003 Southern Illinois University – CS Department Carbondale, IL
- Assistant Systems Administrator – Undergraduate Assistant*
- Created data collection and analysis software for Microsoft Windows and Sun Solaris computer usage, implemented primarily in Microsoft Visual C# and C++.NET, and also included interfacing with a Microsoft Access database using ADO.NET.
 - Managed equipment throughout the Computer Science Department.
- 1998 – 1999 Affiliated Steam Equipment Company Alsip, IL
- Network Administrator and Webmaster*
- Built Intel based workstations and servers.
 - Redesigned company website.
 - Upgraded many legacy and aging systems.
 - Trained personnel to build and repair Intel based systems.
 - Taught website maintenance to colleagues.

Teaching Experience

- 2004 Moraine Valley Community College Palos Hills, IL
Adjunct Professor
- Taught MIS-146 PC Operating Systems for 4 credit hours.
 - Material focused on Windows XP and offered an introduction to Linux.
 - Was responsible for writing and grading all tests, quizzes, and lab assignments.
- 2001 – 2004 Southern Illinois University Carbondale, IL
Marching Salukis Drum Major
- Led and taught an ensemble of 80-140 students in marching rehearsals and performances.
 - Frequently worked with students on an individual basis.
 - Planned and organized rehearsals and performances for the ensemble.
 - Acted as liason between student members and the director.
- 2001 Southern Illinois University Carbondale, IL
Mathematics Tutor
- Led student study groups in the subjects of Calculus and Formal Logic.
- 1998 – 1999 Affiliated Steam Equipment Company Alsip, IL
Network Administrator and Webmaster
- Trained personnel to build and repair Intel based systems.
 - Taught website maintenance to colleagues.
 - Trained office workers in the basic use of Internet Explorer and Microsoft Office applications.

Programming Languages

<u>In-depth Knowledge</u>	<u>Working Knowledge</u>	<u>Basic Knowledge</u>
<ul style="list-style-type: none">• BASH Scripting• C• C++ (.NET & GNU)• C# .NET• Java• LISP• PHP (MySQL & Apache)• (X)HTML (with CSS)	<ul style="list-style-type: none">• Assembly• CSH Scripting	<ul style="list-style-type: none">• ADA• Prolog• Scheme

Software

<u>Document Production</u>	<u>IDE's</u>	<u>Operating Systems</u>
<ul style="list-style-type: none">• LaTeX• MS Office 2000, XP• OpenOffice.org• Star Office• Word Perfect	<ul style="list-style-type: none">• AllegroCL• GNU Emacs• Kdevelop• LispWorks• Netbeans• Visual Studio 6.0, .NET	<ul style="list-style-type: none">• Mandrake Linux 8.0-10.0• Redhat Linux 7.0-FC1• Sun Solaris• Windows 3.x, 95, 98, 2000, XP Professional• Windows NT 4.0, 2000, 2003 Servers

Awards and Honors

- Lincoln Academy Student Laureate, 2002
- 25 Most Distinguished Seniors of 2004
- Department of Computer Science Senior of the Year, 2004
- College of Science Academic Scholarship Winner, 2001-2004
- Department of Computer Science Scholarship Winner, 2001-2004
- Who's Who Among Students in American Universities and Colleges
- All American Collegiate Scholar
- The National Dean's List
- Golden Key Honor Society Member (General)
- Phi Kappa Phi Honor Society Member (General / Upperclassmen)
- Alpha Lambda Delta Honor Society Member (General / Freshmen)
- Gamma Beta Phi Honor Society Member (General)
- Pi Mu Epsilon Honor Society Member (Mathematics)

Professional Organizations

- Member of the SIUC Association for Computing Machinery, 2002-2004
- Membership Officer of SIUC ACM Chapter, 2003-2004

References

References available upon request.

Contact Information

- **Mailing Address:**
Ken Keefe
721 N 29th Street
Mattoon, IL 61938
- **Telephone:** (217) 246-0888
- **Email:** kaje@digitalfamily.org