

Michael Pittman Walker

- Objective To pursue a challenging career in computer research and software development that builds upon my prior research experience in high-performance distributed computing.
- Education University of Virginia Charlottesville, VA
MS Computer Science, School of Engineering and Applied Sciences, expected May 2001
- Awarded full research scholarship of \$16,500 and tuition waiver
 - Research with Legion grid computing group headed by advisor Dr. Andrew Grimshaw, specializing in distributed and parallel computing (<http://legion.virginia.edu>)
- Emory University Atlanta, GA
BA Computer Science, BA Philosophy, College of Arts and Sciences, May 1999
- Graduated *summa cum laude* with a 3.7 GPA
 - Completed honor's program with thesis in Philosophy of Artificial Intelligence and Language
 - Elected member of Phi Sigma Tau, the National Philosophy Honor's Society
- Employment University of Virginia Charlottesville, VA 1999 - Present
Research Assistant, Legion Research Group
- Research staff member for the Legion research group, developing grid computing middleware. Legion is a wide-area virtual environment designed to build a heterogenous system of millions of hosts and trillions of objects while allowing users the illusion of working on a single computer with tremendous resources.
- University of Virginia Charlottesville, VA 1999 - 2000
Head Teaching Assistant, Software Development Methods
- Led a team of four graduate and twelve undergraduate teaching assistants in a class of over 150 students
 - Coordinated lab teaching methods, grading, class policy, and all class administrative duties
 - Taught weekly lab with 50 students
- US Dept. of Agriculture Washington, DC Summers 1997 - 1999
Summer Intern, AMS Information Technology Division
- Developed multi-user client-server database in Visual Basic to manage IT budget
 - Technology Task Group co-chair
 - AMS webmaster
 - Received honorary and monetary awards for service as a USDA intern during all three years of service, and served as a mentor for other student interns.
- Publications
- Michael Walker. *Chiseling Competence: A Connectionist Revision of Chomsky's Language Acquisition Device*. Emory University, 1999.
- Programming Languages
- High proficiency in C, C++/Visual C++, M680x0 and Sparc assembly, OpenGL, SimpleScalar, HTML. Heavy experience in UNIX and X-Windows systems programming, including network programming with TCP and UDP.
 - Moderate proficiency in Java, Visual Basic, ADA, CLU, Sather, Haskell, REBOL, LISP, Perl, MPI, and Windows NT systems programming, including multithreaded programming.
- Relevant Coursework
- Grid Computing, Operating Systems, UNIX Systems Programming, Computer Organization and Architecture, Databases, Programming Languages, X-Windows Systems Programming, Software Development Methods, Data Structures and Algorithms, Computer Graphics, Electronic Music and MIDI Technology, Calculus, Discrete Mathematics, and Theory of Computation.
- References
- Available upon request.