

Arthur A. McDonald

CONTACT INFORMATION	Department of Computer Science & Statistics The University of Rhode Island Tyler Hall 9 Greenhouse Road, Suite 2 Kingston, RI 02881 USA	Voice: (401) 874-5644 Email: arthur_mcdonald@uri.edu WWW: http://www.cs.uri.edu/~amcdonald/
RESEARCH INTERESTS	Logic Programming, Equational Logic, Machine Learning, Programming Languages	
EDUCATION	The University of Rhode Island , Kingston, RI USA Ph.D., Computer Science <ul style="list-style-type: none">• Thesis Topic: Inductive Learning in Equational Logic• Advisor: Lutz Hamel East Stroudsburg University , East Stroudsburg, PA USA M.S., Computer Science, December 2004 <ul style="list-style-type: none">• Thesis: <i>A Multi-level Security Load Scheduling Algorithm for Linux Virtual Servers</i>• Advisor: Haklin Kimm B.S., Computer Science, May 2002	
TEACHING EXPERIENCE	East Stroudsburg University , East Stroudsburg, PA USA <i>Graduate Teaching Assistant</i> <ul style="list-style-type: none">• PCs and Their Use in the Sciences (Sept. 2002 - Sept. 2003)	
PUBLICATIONS	McDonald, A. , Kimm, H., Lee, H., and Lee, I. 2006. Applying a Multi-level Security Mechanism to a Network Address Translation Scheduler. <i>Proceedings of the 21st International Conference on Computers and Their Applications</i> , Seattle, WA, March 23-25.	
INDUSTRY EXPERIENCE	Pro-Change Behavior Systems , Kingston, RI USA <i>Systems Administrator</i> September 2010 - Present University of Rhode Island Health Services , Kingston, RI USA <i>Senior Information Technologist</i> May 2007 - September 2010 Agere Systems , Allentown, PA USA <i>Internet Technology Developer</i> Feb. 2005 - July 2006 JenaGraphics , Stroudsburg, PA USA <i>Database Developer/Administrator</i> Sept. 2003 - Feb. 2005	

Software Associates International, Mt. Arlington, NJ USA

Intern - Web Development

May 2001 - Sept. 2002

TECHNICAL
SKILLS

Extensive hardware and software experience in networking and information technology.

Programming: Java, C, C++, Perl, Mathematica/Maple, PHP, Unix shell scripting, SQL, ASP, Javascript.

Applications: T_EX, L^AT_EX, Microsoft Office/OpenOffice and other common productivity packages for Windows, OS X, and Linux platforms.

Operating Systems: Microsoft Windows XP/2000/Vista/7/Server, Apple OS X, Linux, BSD, Solaris and other Unix variants.

PROFESSIONAL
MEMBERSHIPS

Association for Computing Machinery