

Peter A. Hamilton

CONTACT INFORMATION	University of Maryland, Baltimore County (UMBC) Department of Computer Science and Electrical Engineering (CSEE) 1000 Hilltop Circle Baltimore, MD 21250-0001	Office: (410) 455-8892 Mobile: (443) 610-9328 E-mail: pete5@umbc.edu Website: http://userpages.umbc.edu/~pete5
RESEARCH INTERESTS	Artificial intelligence, primarily multi-agent systems, game theory, and machine-learning.	
EDUCATION	UMBC , Baltimore, Maryland	
	M.S. in Computer Science, GPA: 4.0/4.0	September 2009 – Present
	B.S. <i>summa cum laude</i> in Computer Science, GPA: 4.0/4.0	September 2005 – May 2009
	<ul style="list-style-type: none">• Honors Thesis: <i>Applying Swarm Rule Abstraction to a Wireless Sensor Network Domain</i>. A novel method for controlling swarm systems is used in planning layouts for wireless sensor networks according to design criteria.• Advisor: Dr. Marie desJardins	
EMPLOYMENT HISTORY	UMBC , Baltimore, Maryland	
	<i>Graduate Research Assistant</i>	May 2010 – Present
	Research assistant working with Dr. Marie desJardins in the Multi-Agent Planning and LEarning (MAPLE) lab. Conducts research on existing lab projects and for a Master's thesis. Assists in maintaining lab website.	
	<i>Graduate Teaching Assistant</i>	September 2009 – May 2010
	Teaching assistant for CMSC 201, a required, introductory undergraduate course in Computer Science. Teaches students procedural programming skills in Python as well as introductory skills for using Red Hat Linux, in a lab setting. Manages course graders while also assisting in the proctoring and grading of course exams.	
	<i>Undergraduate Researcher</i>	December 2007 – May 2009
	Undergraduate researcher for the MAPLE lab. Assists graduate students with research experiments. Conducts individual research for senior honors thesis.	
	<i>Class Tutor</i>	September 2007 – December 2007
	Class tutor for introductory undergraduate courses in Computer Science. Assists students in understanding and applying course material in homeworks and projects.	
	<i>Class Grader</i>	September 2006 – December 2007
	Class grader for introductory undergraduate courses in Computer Science. Grades course projects and assists grading course exams.	
	Legendary Studios, Inc. , Baltimore, Maryland	
	<i>Summer Game Design Intern</i>	May 2007 – August 2007
	Summer game design intern designing concepts for video game levels while also testing environment and vehicle physics.	
PUBLICATIONS	Don Miner, Marie desJardins, and Peter Hamilton , "The Swarm Application Framework," <i>Proceedings of the AAAI-08 National Conference on Artificial Intelligence</i> (Student Abstract), 2008.	
HONORS AND AWARDS	Student Leadership Award, UMBC CSEE, 2009 Outstanding Senior Award, UMBC CSEE, 2008 & 2009 Best Undergraduate Research Award, UMBC CSEE Research Review Day, 2009 University Scholar Scholarship, UMBC, 2005 - 2009 Maryland Distinguished Scholar, Maryland, 2005 - 2009	

ACTIVITIES & SERVICE UMBC Chess Club Webmaster (November 2008 – Present)
Student Panelist, UMBC Summer Preview Day (August 3, 2009)

AFFILIATIONS & ORGANIZATIONS UMBC Alumni Association (May 2009 – Present)
Phi Kappa Phi Honor Society (April 2009 – Present)
Golden Key Honor Society (April 2009 – Present)
Association for the Advancement of Artificial Intelligence (April 2008 – Present)

REFERENCES *Available on request.*