

Thomas McCabe

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SKILLS	
	<ul style="list-style-type: none">• Python, Java, PHP, Perl, C, C++, Ruby, Ruby on Rails, JavaScript, CSS, HTML• Strong understanding of data structures and algorithms• Skilled in both technical and popular writing
EDUCATION	
	Aug. 2009-May 2012 (expected) Yale University <ul style="list-style-type: none">• B.S. and M.S. in Mathematics; combined degree program, expected May 2012
	Aug. 2008-Jun. 2009 Rensselaer Polytechnic Institute <ul style="list-style-type: none">• GPA: 3.9; SAT: 800M, 760V, 560W• Upper division coursework in computer science, mathematics and physics• “Meritorious Winner” in the National Mathematical Contest in Modeling
EXPERIENCE	
	Jun. 2009-Present EpicNight, LLC <i>Chief Developer</i> <ul style="list-style-type: none">• Designed and programmed a collaborative blog/social networking website• Helped to found an Internet-based technology company
	Sep. 2008-May 2009 Rensselaer Polytechnic Institute, Materials Science <i>Laboratory Assistant</i> <ul style="list-style-type: none">• Used FiPy differential equation solver to model fluid flow and phase transition• Constructed three-phase thermodynamic system to illustrate spinodal decomposition
	Jun. 2008-Aug. 2008 Singularity Institute for Artificial Intelligence <i>Research Assistant</i> <ul style="list-style-type: none">• Constructed mathematical models of economic variables• Conducted literature search and analyzed mathematical implications
	Jan.-Jun. 2008 Rensselaer Polytechnic Institute, CITS <i>Laboratory Assistant</i> <ul style="list-style-type: none">• Primary developer for the Center for Infrastructure and Transportation Studies
PUBLICATIONS	
	<ul style="list-style-type: none">• “Failure and Success in AGI Projects”, presented at the 2009 AGI Workshop, March 2009, Arlington, VA, and published in the Journal of Artificial General Intelligence• “Global Risk: A Quantitative Analysis”, presented at the Annual Meeting of the Society for Risk Analysis, December 2008, Boston, Massachusetts
OTHER PROJECTS	
	<ul style="list-style-type: none">• Implemented PHP scripts to test probability calibration Link• Developed Python matrix-solving program to predict agent behavior Link• Managed website and IT for Singularity Summit conference Link• Wrote article for H+ Magazine on famous technology panics Link