

## Ross Joseph Gore

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### *Education*

<b>Institution and Location</b>	<b>Degree</b>	<b>Year</b>	<b>Field of Study</b>	<b>GPA</b>
University of Virginia Charlottesville, VA	PhD	in progress	Computer Science	4.0
University of Virginia Charlottesville, VA	Masters of Computer Science	2007	Computer Science	3.82
University of Richmond Richmond, VA	Bachelors of Science	2003	Major: Computer Science Minor: Mathematics	3.87

### *Employment*

<b>Years</b>	<b>Position</b>	<b>Employer</b>	<b>Location</b>
2003-2004	Associate Software Engineer <i>Obtained Secret Security Clearance</i>	Lockheed Martin: Maritime Systems & Sensors	Manassas, VA
2004-2005	Lead Software Developer <i>Obtained Top Secret- SCI Security Clearance</i>	CACI International Inc	Arlington, VA
2005-pres.	Research and Teaching Assistant	University of Virginia	Charlottesville, VA

### *Awards and Honors*

- 2002**      **Phi Mu Epsilon**, Mathematics Honor Society, University of Richmond
- 2003**      **Phi Beta Kappa**, Academic Honors Society, University of Richmond
- 2003**      **Graduated *summa cum laude***, University of Richmond
- 2003**      **Outstanding Student in Computer Science Award**, University of Richmond. Each year the Department of Mathematics and Computer Science honors the most outstanding student in computer science with this award.
- 2003**      **Mary Church Kent and Joseph F. Kent Computer Science Award**, University of Richmond. This award is presented to the most outstanding graduating computer science student at the university.
- 2007**      **Gene Newman Award for Excellence in M&S Research (Best Paper) – Body of Knowledge**, Virginia Modeling and Center (VMASC) Modeling, Simulation & Gaming Student Capstone Conference  
**Award Winning Paper & Presentation: *Exploring Emergent Behavior***  
Students receiving this award have proven themselves to be outstanding researchers and practitioners of modeling and simulation.
- 2008**      **Magna Cum Laude**, National Scholars Honor Society

- 2008**      **Gene Newman Award for Excellence in M&S Research (Best Paper) – Body of Knowledge**, Virginia Modeling and Center (VMASC) Modeling, Simulation & Gaming Student Capstone Conference  
**Award Winning Paper & Presentation: *Quantifying and Analyzing Uncertainty in Simulations to Enable User Understanding***  
 This award is shared with my co-author and co-presenter Michael Spiegel. Students receiving this award have proven themselves to be outstanding researchers and practitioners of modeling and simulation.
- 2008**      **Gene Newman Award for Excellence in M&S Research (Best Paper) – General Sciences**, Virginia Modeling and Center (VMASC) Modeling, Simulation & Gaming Student Capstone Conference  
**Award Winning Paper & Presentation: *Exploring the Similarities between Economic Theory and Artificial Societies***  
 This award is shared with my co-author and co-presenter David Horres. Students receiving this award have proven themselves to be outstanding researchers and practitioners of modeling and simulation.
- 2008**      **SAIC/UVA Scholars Research Stipend**  
 Science Applications International Corporation (SAIC) offered 5 research stipends to University of Virginia math, science and engineering students in 2008. These stipends support students addressing technical problems and research issues that are of interest to SAIC and its customers.
- 2008**      **Winter Simulation Conference (WSC) Best Student Paper Award – Finalist Paper: *Applying Causal Inference to Understand Emergent Behavior***  
 The judges evaluate the submitted student papers to the WSC and identify a set of finalists. After all the finalists complete a poster presentation at the contest the judges jointly determine the two winners.

***Published Research***

- 2003**      **R. Gore**, L. Barnett. Design and Implementation of Interactive Tutorials focused on Sorting. *Journal of Computing Sciences in Colleges*, Volume 18, Issue 5, pg. 271.
- 2007**      L. Barnett, **R. Gore**. Design and Implementation of Interactive Tutorials for Data Structures. *Journal of Computing Sciences in Colleges*, Volume 22, Issue 3, pg. 128.
- 2007**      P. F. Reynolds, M. Spiegel, X. Liu, **R. Gore**. Validating Evolving Simulations in COERCE. *Proceedings of the 2007 International Conference on Computational Science (ICCS)*.
- 2007**      **R. Gore**, P. F. Reynolds, L. Tang, D. Brogan. Explanation Exploration: Exploring Emergent Behavior. *Proceedings of 21st International Workshop on Principles of Advanced and Distributed Simulation (PADS)*.
- 2007**      **R. Gore**, P. F. Reynolds. An Exploration-based Taxonomy for Emergent Behavior Analysis in Simulations. *Proceedings of the 2007 Winter Simulation Conference (WSC)*.
- 2008**      **R. Gore**, P. F. Reynolds. Applying Causal Inference to Understand Emergent Behavior. To appear in *Proceedings of the 2008 Winter Simulation Conference (WSC)*.