

Steven J. Hendrickson

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Education

B.S. Mathematics, George Mason University, 2008.

Concentration: Applied Mathematics.

Focus: Optimization, Computational Fluid Dynamics

M.S. Computer Science, The College of William & Mary, Expected May, 2010.

Concentration: Computational Operations Research.

Focus: Optimization, Risk Analysis

Experience

National Aeronautics and Space Administration (NASA)

LARSS Intern: Systems Analysis & Concepts Directorate, Summer 2009. Researched low-probability high-consequence risk assessment methods for the national airspace system.

The College of William & Mary, Dept. of Mathematics

Teaching Assistant: Calculus II, Fall 2009

Teaching Assistant: Calculus for Life Sciences I, Fall 2009

Teaching Assistant: Calculus I, Fall 2008, Spring 2009

Tutor: Fall 2008 - present

Grader: Linear Algebra, Fall 2008, Spring 2009

George Mason University, Dept. of Mathematics

Research Assistant: Dr. Juan Cebal, Computational Data Sciences, May 2007 - May 2008

Teaching Assistant: Dr. David Singman, Dept. of Mathematics, Aug 2006 - May 2008

Tutor: Jan 2006 - May 2008

Gold's Gym International

General Manager: Bailey's Crossroads, VA, Jan 2003 - July 2004

Research

Experience

Hemodynamic modeling of aneurysms using Computational Fluid Dynamics. *NSF CSUMS Fellowship & GMU Undergraduate Research in Computational Mathematics Program*

Published Papers

Hemodynamics in a Lethal Basilar Artery Aneurysm Just before Its Rupture, with J.R. Cebral and J.M. Putman. *American Journal of Neuroradiology*, September 2008.

Working Papers

Analysis of Low Probability / High Consequence Risk Assessment Methods, with Sharon M. Jones. White paper for the National Aeronautics and Space Administration

Conference Presentations

Low Probability / High Consequence Risk Assessment Methods

NASA LARSS Summer Presentations.

Hemodynamic Analysis of Aneurysms

AMA / MAA Joint Mathematics Meetings, 2008

Computer Skills

C, L^AT_EX, Matlab, Maple, HTML, Unix/Linux, OS X, Windows Office Suite.

Honors, Awards, Fellowships, & Press

SCORE Scholarship, 2009–2010

NSF CSUMS Research Fellowship, 2007–2008

Recipient: 1st Place, AMA/MAA JMM Undergraduate Poster Competition, San Diego, 2008.

Featured Student, *The Mason Gazette*, Feb 05, 2008

Dean's List, George Mason University, 2006–2008

SMART Grant, 2006, 2007, 2008

Last updated: August 26, 2009