

Liqiong Zhao

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Minneapolis, MN 55455

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Education

Ph.D. Mathematics, University of Minnesota; September 2005 - May 2011 *expected*.

Advisor: Duane Nykamp

B.S. Information and Numerical Science, Nankai University, July 2005.

Major Rank: 2/38

Research Interests

Neuron Networks, Data Analysis

Experiences

Fall 2006 Discussion Instructor for Math 1151 Precalculus II

Spring 2007 Discussion Instructor for Math 2243 Linear Algebra and Differential Equations

Summer 2007 Lecturer for Math 2243 Linear Algebra and Differential Equations

Fall 2007 Research Fellow at Institute of Pure and Applied Mathematics, UCLA

Fall 2008 Discussion Instructor for Math 1151 Precalculus II

Courses

Complex Analysis

Topology and Manifolds

Mathematical Modeling and Methods of Applied Math

Numerical Science and Scientific Computation

Theory of Probability

Theory of PDE

Introduction to Stochastic Process

Econometrics

Computer Vision

Computational Aspects of Matrix Theory

Linear Algebra in Data Exploration

Projects

Performance Comparison of Various Edge Detection Methods

Application of Dimensional Reduction Techniques for Text Data

Application of Manifold Embedding to Face Recognition

Awards

Second Prize of Excellent Undergraduate Scholarship, 2004-2005, Nankai University

Second Prize of Excellent Undergraduate Scholarship, 2003-2004, Nankai University

First Prize of Excellent Undergraduate Scholarship, 2002-2003, Nankai University

Freshman Scholarship, 2001-2002, Nankai University

First prize of the National Mathematical Contest of China, 1999

Skills

programming languag: C/C++

Operating Systems: Windows, Linux/Unix

Tools: Matlab