

Yi Wang

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Citizenship: Chinese

Education**Ph.D in Applied Mathematics****4th year, Expected 2011**

University of Minnesota, Minneapolis, MN

Relevant Coursework: Dictionary Learning, Numerical Analysis and Scientific Computing, Mathematical Modeling and Methods of Applied Math, Machine Learning, Multi-Manifold Modeling and Data Analysis, Statistical Learning, Applied Statistical Methods, Real Analysis, Topology and Manifolds, Probability including Measure Theory.

Approximate Topic of Thesis: Hybrid Linear Modeling, Multi-Manifold Modeling.

Adviser: Gilad Lerman.

B.A. in Mathematics**2005**

Huazhong University of Science and Technology, Wuhan, Hubei, China

Areas of Concentration: Information Science, Fast Transformation and Image Transformation.

Experiences and Activities

- Participated in the Graduate Student Mathematical Modeling Camp, RPI June.09-19, 2009
- Participated in the Workshop: Beyond Internet Multi-Resolution Analysis: Networks of Networks, IPAM Nov.3-7, 2008
- Participated in the Hot Topics Workshop: Multi-Manifold Data Modeling and Applications, IMA Oct.27-30, 2008
- Worked as an engineer Assistant in Vision-Ease Lenses, MN, executing the sustainability project, collecting and analyzing data. Summer, 2008
- Gained the national certificate for advanced programmer in China. Mar. 2006
- In charge of a class consisting of 32 undergraduate students of Dept. of Mathematics in HUST as an administration assistant. Sept. 2005 - Jul. 2006
- Worked in the parallel computing institute, doing experiments, attending seminars focused on fast algorithm and its application in the computation. Oct. 2004 - Jun. 2006
- Participated in a summer project: went to a power dam and submitted a paper about the forecast and estimate of the power generated by that dam. Jun. - Jul. 2004
- Took part in the development of software to test students' personality and aptitude. Jun. 2003 - Apr. 2004

Mathematical/Scientific Interests

- Hybrid Linear Modeling, Unsupervised Learning
- Motion Segmentation, Computer Vision

Computer and Language Skills

- R, Matlab, C/C++, MS Word, MS Excel, MS Access, MS PowerPoint, MS FrontPage.
- Chinese, English, and some Japanese.