**Education**

**Wake Forest University Winston Salem, NC, U.S.A**

*Master of* *Arts and Sciences in Mathematics (Candidate)* GPA: 3.779 *09/2011-05/2013*

Focus：Statistics and Discrete Mathematical Simulations, Programming in CS

**Wuhan University Wuhan, China**

*Bachelor of Science in Applied Mathematics* GPA: 3.520 *09/2007-06/2011*

Focus：Mathematical Models and Optimization, Statistics, Financial Mathematics

**Graduate Level Courses**

* 2011Fall:  MTH731 General Topology (A) MTH721 Abstract Algebra (A-)

MTH626/CS652 Numerical Linear Algebra(A) MTH567 Mathematical Statistics I (A)

* 2012Spring: MTH752/CS765 Image Processing (A) MTH659 Multivariate Statistics (A-)

CS621 Database Management Systems (A-) MTH711 Real Analysis (B-)

* 2012Fall : MTH791 Thesis Research I MTH656 Statistical Methods

CS641 Operating Systems CS671 Artificial Intelligence

MTH655/CS655 Introduction to Numerical Methods

**Skills**

* Language Fluent English, Native Chinese Speaking Mandarin
* Programming C++/C, Matlab, SQL, PHP/HTML, Lingo, R, SAS, LUNIX and DOS
* Documentation Latex, Tableau, Microsoft Office

**Internship Experience**

**Clinic Data Analyst Winston Salem, NC, U.S.A**

*Biomedical Engineering Department, Wake Forest Baptist Medical Center 05/2012-08/2012*

* Help build the data warehouse (I2B2) of WFBMC, work with Dr. Yaorong Ge
* Analyze the characterization of 750 million clinic data by Oracle SQL Developer and Tableau
* Visualize the results by Tableau and present them to the hospital leaders and project directors

**Working & Research Experience**

**Research Assistant in Statistics and Discrete Mathematics Field Winston Salem, NC, U.S.A**

*Department of Mathematics, Wake Forest University 11/2011-10/2012*

* Simulation on ants’ random walking based on pheromone for cyber network security by Matlab, Sponsored by Pacific Northwest National Laboratory (PNNL), Instructed by Dr. Kenneth S. Berenhaut, Dr. Errin Fulp
* Present methods and results to scientists from PNNL and ANL (Argonne National Laboratory)

**Teaching Experience Winston Salem, NC, U.S.A**

*Department of Mathematics, Department of Computer Science, Wake Forest University 09/2011-10/2012*

* TA of Dr. Torgersen’s CS101-“Introduction to Computer Science”, 2012Fall
* Tutor in the Math Center of Wake Forest University
* Grader for MTH111, 112 (Calculus I II), MTH205 (Applied Multivariable Mathematics), MTH353(Mathematical Models)

**Undergraduate Research Projects Wuhan, China**

*School of Mathematics and Statistics, Wuhan University 06/2009-09/2010*

* Artificial intelligence algorithms and their applications in pattern recognition, Instructed by Dr. Xuming Yi
* Research of linear regression in finance and marking, Instructed by Dr. Aijiao Deng

**Awards and Honors**

*Member of Pi Mu Epsilon, the mathematical honor society 04/2012*

*Honorable Mention for Mathematical Contest in Modeling (****MCM****) 04/2010*

*Second prize in Hubei Province for China Undergraduate Mathematical Contest in Modeling (****CUMCM****)*

*10/2010*

*Second prize in Huazhong District (contains nine provinces) Mathematical Contest in Modeling 05/2009*

*Second Prize Scholarship (top 5 in 42) 10/2010*

*Third Prize Scholarship (top 10 in 42) 10/2009*

**Training Experience**

Training for MCM (Mathematical Contest in Modeling) *01/2010-02/2010*

* *Focus: English writing*

Training for CMC (China Mathematics Competition) *09/2009-11/2009*

* *Focus: Mathematical problem solving abilities and skills)*

Training for CUMCM (China Undergraduate Mathematical Contest in Modeling) *05/2009-08/2009*

* *Focus: mathematics modeling, Matlab and Lingo programming and simulation contest*

Training for ACM-ICPC (Association for Computing Machinery-International Collegiate Programming Contest) *01/2010-02/2010*

* *Focus: programming skills and algorithms*

**Interests**

Soccer, Basketball, Tennis, Chess, Reading, Traveling