

Shuowen Wei

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Education

Wake Forest University,	Winston Salem, NC, U.S.A
Master of Arts and Sciences in Mathematics (Candidate), GPA: 3.779	09/2011- Present
Master of Arts and Sciences in Computer Science (intended)	09/2013-05/2014
<ul style="list-style-type: none">• Focus: Statistics and Discrete Mathematical Simulations, Programming	

Wuhan University,	Wuhan, Hubei Province, China
Bachelor of Science in Applied Mathematics, GPA: 3.520	09/2007- 08/2011
<ul style="list-style-type: none">• Focus: Mathematical Models and Optimization, Statistics, Financial Mathematics	

Skills

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- Programming: C++/C, Matlab, SQL(Oracle), PHP/HTML, Lingo, R, SAS, DOS and Batch File
 - Documentation: Latex, Tableau, Microsoft Office
 - Operating System: Linux, Windows/XP/7

Working & Research Experience

Clinic Data Analyst Internship	Winston Salem, NC, U.S.A
Biomedical Engineering Department, Wake Forest Baptist Medical Center	05/2012-08/2012
<ul style="list-style-type: none">• Help build the data warehouse (I2B2) at 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 project directors and group members	

Research Assistant in Statistics and Discrete Mathematics Field	Winston Salem, NC, U.S.A
Department of Mathematics, Wake Forest University	11/2011-12/2012
<ul style="list-style-type: none">• Simulation on ants' random walking based on pheromone for cyber network security by Matlab, Sponsored by PNNL (Pacific Northwest National Laboratory), 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	09/2011-12/2012
<ul style="list-style-type: none">• Teaching Assistant for CS101 Introduction to Computer Science, 2012Fall• Tutor in the Math Center of Wake Forest University• Grader for Calculus I and II, Applied Multivariable Mathematics, Mathematical Models	

Undergraduate Research Projects	Wuhan, Hubei Province, China
School of Mathematics and Statistics, Wuhan University	06/2009-09/2010
<ul style="list-style-type: none">• Artificial intelligence algorithms and their applications in pattern recognition, Instructed by Dr. Xuming Yi• Research of linear regression in finance and marketing, Instructed by Dr. Aijiao Deng	

Awards and Honors

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- 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 in the south China) Mathematical Contest in Modeling 05/2009
 - Second Prize Scholarship (top 5 in 42) 10/2010
 - Third Prize Scholarship (top 10 in 42) 10/2009