

Shuowen Wei

Education

Wake Forest University	Winston Salem, NC, U.S.A
<i>Master of Arts and Sciences in Mathematics</i>	GPA: 3.75 09/2011-05/2013
<i>Master of Arts and Sciences in Computer Science (intended)</i>	09/2013-05/2014
Focus: Statistics and Discrete Mathematical Simulations, Programming in CS	
Wuhan University	Wuhan, China
<i>Bachelor of Science in Applied Mathematics</i>	GPA: 3.50 09/2007-06/2011
Focus: Mathematical Models and Optimization, Statistics, Financial Mathematics	

Skills

Oracle SQL, Matlab, C/C++, R, Tableau, Lingo, SAS, PHP/HTML, MS Word, Excel, PowerPoint

Internship Experience

Clinic Data Analyst	Winston Salem, NC, U.S.A
<i>Biomedical Engineering Department, Wake Forest Baptist Medical Center</i>	05/2012-08/2012
<ul style="list-style-type: none">➤ 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
<i>Department of Mathematics, Wake Forest University</i>	11/2011-10/2012
<ul style="list-style-type: none">➤ 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
<i>Department of Mathematics, Department of Computer Science, Wake Forest University</i>	09/2011-10/2012
<ul style="list-style-type: none">➤ Teaching assistant of CS101-"Introduction to Computer Science", Fall Semester, 2012➤ Tutor in the Math Center of Wake Forest University➤ Grader for Calculus I II, Mathematical Statistics, Mathematical Models, Operation Research	

Undergraduate Research Projects

	Wuhan, China
<i>School of Mathematics and Statistics, Wuhan University</i>	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

<i>Member of Pi Mu Epsilon, the mathematical honor society</i>	04/2012
<i>Honorable Mention for Mathematical Contest in Modeling (MCM)</i>	04/2010
<i>Second prize in Hubei Province for China Undergraduate Mathematical Contest in Modeling (CUMCM)</i>	10/2010
<i>Second prize in Huazhong District (contains nine provinces) Mathematical Contest in Modeling</i>	05/2009
<i>Second Prize Scholarship (top 5 in 42)</i>	10/2010
<i>Third Prize Scholarship (top 10 in 42)</i>	10/2009