Shuowen Wei

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Education

Wake Forest University,   **Winston Salem, NC, U.S.A**
Master of Arts and Sciences in Computer Science, GPA: 3.67, expected May. 2014   08/2011- Present
Master of Arts and Sciences in Mathematics, GPA: 3.815, expected Aug. 2013
- Focus：Statistics and Discrete Mathematical Models, Algorithms

Wuhan University,   **Wuhan, Hubei Province, China**
Bachelor of Science in Applied Mathematics, GPA: 3.520   09/2007- 08/2011
- Focus：Mathematical Models and Optimization, Statistics, Financial Mathematics

Skills

- Programming: C++/C, Matlab, SQL, Android/IOS, PHP/HTML, R, SAS, Lingo
- Documentation: Latex, Tableau, Microsoft Office
- Operating System: Linux/Ubuntu, Windows/7/XP

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
- Help build the database 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- Present
- 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 conclusions to scientists from PNNL and ANL (Argonne National Laboratory)

Teaching Experience   **Winston Salem, NC, U.S.A**
Department of Mathematics, Computer Science, Wake Forest University   08/2011- Present
- Teaching Assistant for CS101 Introduction to Computer Science, 2012Fall
- Math Tutor in the Math Center of Wake Forest University
- Grader for Calculus I and II, Multivariable Statistics, Mathematical Models, etc

Undergraduate Research Projects   **Wuhan, Hubei Province, 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 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