

Shuowen Wei

Education

Wake Forest University	Winston Salem, NC, U.S.A
Master of Sciences in Computer Science, GPA: 3.811	08/2013 - 05/2014
Master of Arts in Mathematics, GPA: 3.815	08/2011 - 08/2013
<ul style="list-style-type: none">Full academic scholarship offered by Wake Forest University	

Wuhan University	Wuhan, Hubei Province, China
Bachelor of Science in Applied Mathematics, GPA: 3.520	09/2007 - 06/2011

Skills

- Programming: Java SE, Oracle SQL/MySQL, PHP/HTML, Python, IOS/Android Apps, R
- Documentation: Vim, Latex, Tableau, Microsoft Office
- Operating System: Linux/Ubuntu, Windows/7/XP

Working & Research Experience

Medical Informatics Analyst Internship	Winston Salem, NC, U.S.A
Biomedical Engineering Department, Wake Forest Baptist Medical Center	05/2013 - 05/2013
<ul style="list-style-type: none">Automated inference of patient problems from structured data, generating SQL queries to target the dataICD9 codes classification for the database warehouse at WFBMC	

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">Participate in building the database warehouse (I2B2) at WFBMC, work with Dr. Yaorong GeAnalyze the characterization of 750 million clinic data by Oracle SQL Developer and Visualize them in Tableau	

Research Assistant in Statistics and Discrete Mathematics Field	Winston Salem, NC, U.S.A
Department of Mathematics, Wake Forest University	11/2011 - 08/2013
<ul style="list-style-type: none">Simulation on digital ants' random walk based on pheromone for cyber network security by Matlab, Sponsored by PNNL (Pacific Northwest National Laboratory), Instructed by Dr. Kenneth S. Berenhaut, Dr. Errin FulpPresent methods and conclusions to scientists from PNNL and ANL (Argonne National Laboratory)A passed thesis addressing on random walks on different one-dimensional grids, to be published	

Teaching Experience	Winston Salem, NC, U.S.A
Department of Mathematics, Computer Science, Wake Forest University	08/2011 - Present
<ul style="list-style-type: none">Teaching Assistant for basic programming classes, C, Python and Visual BasicMath Tutor in the Math Center of Wake Forest University	

Leadership	Winston Salem, NC, U.S.A
President of WFU CSSA (Chinese Students and Scholars Association)	09/2013 - Present
<ul style="list-style-type: none">Deputy of China Embassy at Wake Forest UniversityLeading CSSA, serving as a bridge between the Chinese and other communities and spreading Chinese culture	

Other Projects

- Java Project: Music player support multithread tasks, like taking user inputs while playing songs, showing elapsed time of songs dynamically e.t.c.
- C/C++ Project: Write a Linux shell to execute user input commands, also support redirections and pipes functionalities; Individual project on buffer overflow experiments in computer security course
- Mysql/PHP Project: A simple hospital reservation system allows patients to make or cancel appointments with specific doctors