**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

* 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

* Automated inference of patient problems from structured data, generating SQL queries to target the data
* ICD9 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

* Participate in building the database warehouse (I2B2) at WFBMC, work with Dr. Yaorong Ge
* Analyze 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

* 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 Fulp
* Present 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

* Teaching Assistant for basic programming classes, C, Python and Visual Basic
* Math 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

* Deputy of China Embassy at Wake Forest University
* Leading CSSA, serving as a bridge between the Chinese and other communities andspreading 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