**Education**

**Wake Forest University Winston Salem, NC, U.S.A**

Master of Sciences in Computer Science, GPA: 3.890 08/2013 - 05/2014

Master of Arts in Mathematics, GPA: 3.815 08/2011 - 08/2013

* Focus：Statistics and Discrete Mathematical Models, Data Analysis
* Full academic scholarship offered by Wake Forest University

**Wuhan University Wuhan, Hubei Province, P.R. China**

Bachelor of Science in Applied Mathematics, GPA: 3.520 09/2007 - 06/2011

* Focus：Mathematical Models and Optimization, Statistics, Financial Mathematics

**Skills**

* Programming: Java, SQL, C/C++, Matlab, Python, MapReduce/Hadoop, R, SAS, VB
* 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**

Translational Science Institute (TSI), Wake Forest Baptist Medical Center 05/2013 - 08/2013

* Automated inference of patient problems from structured data, generating SQL queries to target the data
* ICD9 codes classification and clustering for the database warehouse (I2B2) at WFBMC

**Data Analyst Internship** **Winston Salem, NC, U.S.A**

Biomedical Engineering Department, Wake Forest Baptist Medical Center 05/2012 - 08/2012

* Participated in building the database warehouse (I2B2) at WFBMC, work with Dr. Yaorong Ge
* Inventory analysis on more than 810 million clinic data using Oracle SQL Developer
* Visualized the results in Tableau and delivered reports to hospital leaders and project directors

**Research** **Assistant in Statistics and Discrete Mathematics Field Winston Salem, NC, U.S.A**

Department of Mathematics, Wake Forest University 11/2011 - 08/2013

* Research on digital ants’ random walk based on pheromone for cyber security, sponsored by PNNL (Pacific Northwest National Laboratory), Instructed by Dr. Kenneth S. Berenhaut, Dr. Errin Fulp
* A thesis addressing random walks on different one-dimensional grids is finished and passed, to be published

**Leadership Winston Salem, NC, U.S.A**

President of WFU CSSA (Chinese Students and Scholars Association) 09/2013 - Present

* Lead CSSA to better serve as a bridge between the Chinese community and other communities
* Spread Chinese culture, organize celebration events like Moon Festival and Chinese Spring Festival

**Recent Projects**

* Mining in Tweets: Analyzed and visualized targeted information on Twitter, using Python and MySql
* DStress Android App: Helped monitor various indicators of diabetes patients, like blood glucose and stress level
* Music Player (Java): Supported multithread tasks, dealing with real-time user input commands
* TCP Client/Server (C++): Communication between clients and servers using TCP Sockets
* Buffer Overflow (C++): Exploited buffer overflow for vulnerable programs to spawn the local shell
* Linux Shell (C++): A mimic Terminal to execute Linux commands input, supporting redirections/pipes
* Hospital Reservation System (MySql/PHP): Allowed patients make or cancel appointments with specific doctors

**Awards and Honors**

* Member of Pi Mu Epsilon, the U.S. honorary national mathematics society 04/2012 - Present
* Honorable Mention for COMAP Mathematical Contest in Modeling (**MCM**) 04/2010