**Education**

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

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

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

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

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

**Skills**

* Programming: Java/Android, SQL, C/C++, Python, MapReduce/Hadoop, Matlab, R, VB, SAS
* OS and Tools: Linux/Virtual Machine, SCRUM, Version Control/git, Windows/7/XP, Tableau

**Working & Research Experience**

**Medical Informatics Analyst Internship Winston Salem, NC**

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**

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

* 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**

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

**Recent Projects**

**Mining in Tweets**, Python & SQL, Linux/Virtual Machine

* Employed Twython API to target interested data on Twitter and saved to local database
* Analyzed and visualized the results, generated reports and gave presentations

**Dstress Android App**, Java, Eclipse ADT

* Used Scrum methodology and agile development, worked with communication students in this project
* Helped monitor diabetes patients’ various indicators , like blood glucose and stress level e.t.c

**Music Player**, Java, Eclipse

* Supported multithread tasks, dealing with real-time user input commands

**TCP Client/Server**, C++, Linux/Virtual Machine

* Communication between clients and servers using TCP Sockets

**Buffer Overflow**, C++, Linux/Virtual Machine

* Exploited buffer overflow for vulnerable programs to spawn the local shell

**Linux Shell**, C++, Linux/Virtual Machine

* A mimic Terminal to execute Linux commands input, supporting redirections/pipes

**Awards, Honors and Leadership**

* Member of Upsilon Pi Epsilon (UPE), the first and only International Honor 04/2014 – Present

Society for the Computing and Information Disciplines

* President of WFU CSSA (Chinese Students and Scholars Association) 09/2013 - Present
* Member of Pi Mu Epsilon (PME), the U.S. honorary national mathematics society 04/2012 – Present
* Honorable Mention for COMAP Mathematical Contest in Modeling (**MCM**) 04/2010