EDUCATION

**Northeastern University - Boston, MA, United States** 2010.09 -- 2013.01

Master of Science in Computer Science GPA 3.54/4.0

Related Courses: Database Design, Advanced Algorithms, Operating System, Parallel Computing in MapReduce,

High Performance Computing, Management of Software Development

**Nanchang University - Nanchang, Jiangxi, China** 2005.09 -- 2009.06

Bachelor of Science in Mathematics

INTERSHIP EXPERIENCE

**Acme Packet** Software Engineer Intern **-----------------------------------------------------------------------** 2012.01 -- 2012.08

Skills: Web Service, SOAP/REST, JavaScript, Firebug, Dojo, Python, Java, Eclipse, TCP/IP, SIP, XML, HTML5/CSS3, Flex,

SHELL, SVN, and Centos

* Helped with ASC automated testing framework by writing twenty python tests.
* Developed and debugged web services applications with Java, JavaScript (Dojo), GWT/GXT and HTML5/CSS3.
* Hands-on debugging experience on iOS mobile platform.
* Configured virtual machines on Xenserver to run SIP tests.
* Understood user interface design principles on iOS mobile platform.

PROJECTS AND EXPERIENCE

**Northeastern University, Boston, MA**

Database Design Course **----------------------------------------------------------------------------** 2012.09 -- 2012.12

Skills: Eclipse, Sequel Pro, Java, MySQL, JPA, HTML5/CSS3, and JavaScript

* Understood Relational Model, Indexing, Scheme Refinement, Normal Forms and Transaction.
* Implemented SQL statements to retrieved data from existed Databases.
* Used JPA to establish the connections between Java objects and Database objects.

Trending Stock Prices via Twitter **----------------------------------------------------------------------------** 2011.09 -- 2011.12

Skills: Eclipse, Java, Hadoop, MapReduce, Pig, HTML/CSS3 and Big Data

* Processed 1.7 billion twitter messages and 50 millions stock records with Hadoop and Pig scripts.
* Implemented Java codes to map favorite words to integer standard.
* Developed and debugged Hadoop projects with Eclipse on a ten-node cluster.

Operating System Course **----------------------------------------------------------------------------** 2011.09 -- 2011.12

Skills: C, Ubuntu 11, POSIX programming, Make and GIT

* Understood multi-thread mechanism and wrote C codes with POSIX API.
* Understood context switch.
* Implemented the mirroring, striping, RAID4 and RAID5 functionalities in C.
* Implemented a file system with basic methods (mkdir, rm, read, write and ls).

Porting MTCP from Linux to Mac OS X **----------------------------------------------------------------------** 2011.01 -- 2011.04

Skills: C/C++, Ubuntu 11, Mac OS X 10.6, Checkpoint

* Analyzed implementation of MTCP under Linux by reading huge C and C++ codes.
* Probed the memory boundaries (stack, head, data and text) of a process in Mac OS X, by using self-defined SIGSEGV handler and setlongjump call() in C.

Scientific Community Game(SCG) **-------------------------------------------------------------------**------ 2011.01 -- 2011.04

Skills: Java, JUnit, Jenkins, SVN, Eclipse, and HTML4

* Wrote an avatar that can solve an scientific problem and propose the result to the Server.
* Used Jenkins continuous integration system to ensure the independence of builds and test cases and measure test coverage in the SCG project.
* Understood the software development cycle, Singleton, Factory and MVC design pattern.