YU, LIANG

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Work Experience

Current, from Apr 2013

Integrated Computer Solutions, Bedford, MA
Mobile Software Engineer

CO-OP Experience

Jan 2012 – Aug 2012

Acme Packet, Bedford, MA
Software Engineer Intern

- Configured four virtual machines on XenServe to run SIP tests.
- Helped with ASC automated testing framework by writing twenty python tests.
- Developed and deployed web services applications with Java, Dojo and GWT/GXT.
- Worked on Flex mobile application, fixed bugs and tested it on iPhone and iPad.

Course Projects

Fall 2012

Database Design
Parallel Computing in MapReduce, Northeastern University

- 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.

Fall 2011

Analyzing Company Stock Prices via Twitter Data
Parallel Computing in MapReduce, Northeastern University

- Processed 1.7 billion twitter messages and 50 millions stock records with Hadoop(Pig).
- Developed and debugged Java codes in hadoop projects on a ten-node cluster.

Fall 2011

Discovering Operating System
Computer System, Northeastern University

- Experience in multi-processing programming in C.
- Wrote c codes to mimic the mirroring, striping, RAID4 and RAID5 operations.
- Implemented a file system with basic methods(mkdir, rm, read, write and ls).

Spring 2011

Scientific Community Game Development
Management of Software Development, Northeastern University

- Wrote network-flow avator by using Java, and performanced unit tests to ensure its integration to the existed SCG Arena.
- Used Jenkins continuous integration system to ensure the independence of builds and test cases and used EclEmma to measure test coverage in the SCG project.

Education

2010.9 – 2012.5	**Master of Science**	
	Computer Science	
	Northeastern University	
	Boston, MA, United States	
2005.9 – 2009.6	**Bachelor of Science**	
	Mathematics	
	Nanchang Univerisity	
	Nanchang, Jiangxi, China	

Relevant Courses

C Programming Language	Data Structures
Assemble Language(IBM)	Introduction to Linux
Program Design Paradigms	Algorithms
High Performance Computing	Computer System
Parall Computing in MapReduce	Advanced Algorithms
Managing Software Development	Introduction to Database

Computer Skills

Operating System	Mac OS X, Ubuntu, iOS Android, Windows
Programming Languages	Java, C, C++, Python C#, SHELL, LaTeX
Web Services Development	Javascript, HTML5/CSS3 Ajax, Dojo, GWT, GXT SOAP, RESTful
Development Tools	Eclipse, Visual Studio VIM, GIT, SVN,GDB Hadoop, Jenkins, Xen MySQL