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QIANQIAN ZHONG

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EDUCATION

Santa Clara University — Sept 2014 – **June 2015**

- Master of Science (M.S.) in Computer Science and Engineering. GPA: **4.0/4.0**

Beihang University (BUAA) — Sept 2011- Jan 2014

- Master of Science (M.S.) in Computer Science and Technology. Research Area: **Distributed System**. GPA: 3.47/4.0

Beijing Normal University (BNU) — Sept 2007- July 2011

- Bachelor of Science (B.S.) in Science and Technology of Electronic Information. GPA: 3.54/4.0

EMPLOYMENT

Software Engineer, Full Time **Alibaba Group, Apsara Streaming Platform** Mar 2014 – July 2014

- Migrated message management by using **Protocol Buffer** to improve transfer performance by 20%.
- Optimized management of multiple bolts to separate different topologies for high availability.

Software Engineer, Intern **Teradata Corporation, Aster Data Dept.** Mar 2013 – Sept 2013

- Designed and implemented parallel processing for **load phase** of ETL tool by using Producer – Consumer Model that speeded up loading by 20% - 50%.
- Finished modification, integration and performance test of ODBC driver that improved read/write performance by 10% - 15%.
- Maintained availability of Aster Database by fixing bug issues including command line arguments, code migration, backward compatibility etc.

LANGUAGES AND TECHNOLOGIES

- Back-end: Java, Python/Django, C/C++, SQL, Bash Shell, PHP, Git
- Front-end: JavaScript, jQuery, HTML, CSS
- Technologies: Spring, MySQL, Gradle, MongoDB, Redis, RESTful APIs, Amazon AWS
- Editor: Eclipse, Sublime, Xcode, Visual Studio, NetBeans, Vim

PROJECTS

- Retail Marketing Clustering based on **Genetic Algorithm** (2014)**.** Designed and implemented a clustering algorithm based on genetic algorithm for analyzing customers' behaviors. Individual Project
- SSD-based Storage System with Multi-level Queue Algorithm for Data Exchange (2014). Designed and implemented **hybrid storage system with SSDs and HDDs** that greatly improved response time and hit rate. Team Project
- Metadata Sharing Management for Wide-area Data Centers (2013). Implemented a metadata sharing method to allow customized network topology, global synchronization and customized user view of global namespace over multi-clusters. **HDFS**, **Distributed File System**, Independent Research Project
- Fire Work Simulation using Spatial Database (2015). Designed and implemented a **spatial database** for monitoring fire and helping evacuate people. NetBeans with Swing framework, Individual Project
- Prototype of **Linda System** (2014). Individual Project
- Prototype of **Buddy System** And Slab Allocator (2014). Individual Project

PUBLICATIONS

- Qinfen Hao (Prof.), Qianqian Zhong etc. Shedder: a Metadata Sharing Management Method across Multi-Clusters. 13th International Conference on Algorithms and Architectures for Parallel Processing (**ICA3PP**) 2013. (Published as **Distinguished Paper**)
- Limin Xiao (Prof.), Qianqian Zhong, Li Ruan etc. Method for Sharing Metadata between Multiple Storage Clusters over Wide Area Networks. Application Number: 201310415322.8. (China patent accepted)

PERSONAL ACCOUNTS

- www.github.com/bzhong
- www.linkedin.com/pub/qianqian-zhong/49/699/509