Grace Li

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EDUCATION

Carnegie Mellon University   09/2015-12/2016
Master of Science in Software Engineering
Selected related courses: Introduction to computer system, Foundations of Software Engineering,
                    Cloud Computing, Service Oriented Computing
Beijing University of Posts and Telecommunications   09/2011-07/2015
B.Eng Communication Engineering   Major GPA: 86.7/100
Selected related courses: C++ Programming Fundamentals, Java Programming, Data Structures,
                    Computer Communications and Networks, Linux Operating System,
                    Big Data and Internet Information Mining

WORK EXPERIENCE

Software Engineer   Oracle, Beijing   10/2014-05/2015
- Wrote UI/UA test cases in Perl using the automatic testing tool Selenium under the farm testing environment, tested the functions of Enterprise Manager 12c under Linux OS
- Tested new characteristics displayed in nine different language environments and mastered the ADE code management system, checking log files

Software Engineer   IBM , Beijing   08/2014-10/2014
- Wrote automatic functional test scripts and regression test scripts using the Rational Functional Tester tool, and wrote web load testing scripts using LoadRunner
- Performed SCM business flow tests and UI tests, and completed the user manual

SELECTED PROJECTS AND RESEARCH

Sentiment and Topic Analysis on Social Media   10/2015-11/2015
- Performed extract, transform and load process(ETL) on 1TB tweets with Elastic MapReduce
- Extract the lexicon features , semantics features, emotion features (NRC emotion library) and censor text
- Conducted comprehensive research on MySQL and HBase schema design and performance.

Survivable Social Network on a Chip(SSNoC)   09/2015-11/2015
- Built up a social network on Beaglebone Black Board using agile development, used Node.js, socket.io and SQLite as back-end support and JavaScript and Bootstrap on client side
- Developed RESTful API for functionalities such as registering, performance testing, and social network analysis.
- Performed unit test and UI test, conducted Continuous Integration using Shippable

Research on Reconfigurable Cloud Computing Platform
Collaborative Project with Imperial College London   Tsinghua,China   05/2014-07/2014
Lab: Center for Advanced Mobile Computing Technology   Advisor: Associate Prof. Shouyi Yin
- Wrote the load balancing and task scheduling algorithms for a reconfigurable parallel computing platform based on Hadoop
- Used resource virtualization management of clusters consisting of RPUs to improve execution performance for computationally-intensive tasks like video decoding.

Analysis on Mobile Data Services
Collaborative Project with China Unicom   BUPT, China   03/2014-05/2014
Lab:Future Network Theory and Applications Laboratory   Advisor: Associate Pr. Hongyan Cui
- Responsible for installing, configuring, maintaining and administering a Hadoop cluster
- Analyzed mobile phone users' traffic data and figured out the behavior patterns and trends

SKILLS AND STANDARDIZED TESTS

Programming: Java, C/C++, Linux, Hadoop, JavaScript, Python, Matlab, VHDL, Perl, R