YANG DU

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EDUCATION

Master of Computer Science University of California, Davis Sep. 2014 - Jun. 2016
Bachelor of Computer Science Beihang University Sep. 2009 - Jun. 2013

SKILLS

Data Structure, Operating Systems, Algorithm
C/C++, Java, Hadoop, Spark, Python, Bash, SVN, Git, Linux, MySQL

EXPERIENCE

Software Engineer Cablevision, San Francisco Jun. – Aug. 2015

- ✧ Technologies explored: Hadoop, Spark, Kafka, Hive, HBase, Redshift
- ✧ Collect data and produce to Kafka server
- ✧ Consume data from Kafka and process using Spark
- ✧ Write processed data into AWS Redshift and MySQL
- ✧ Build data dashboard using Tableau

Teaching Assistant University of California, Davis Sep. 2014 - Present

- ✧ Classes: Data Structure(ECS 60), Operating Systems(ECS 150);
- ✧ Lead discussions, hold office hours, grade homework and examination;

Research on Test Automation Beihang University Jun. 2012 – Jun. 2013

- ✧ Developed in Qt/C++;
- ✧ Designed and implemented the test control system of an automated test software that supports editing of test cases, test report generation, and execution of test cases
- ✧ Improved the Event Flow Model for GUI testing to adapt to distributed software system
- ✧ implemented the automatic test case generation using the improved model, and integrated it into the test control system

Operating System Project Apr. – May. 2012

- ✧ Developed in C using Linux system calls
- ✧ Including miniature shell, scheduler and disk management(FAT32)

"The Harvester" Android Game Jan. 2012

- ✧ Developed in Java
- ✧ Implemented multi-threading to support touch while drawing moving objects

Pascal Compiler--Compiler Theory Project Nov. – Dec. 2011

- ✧ Developed from scratch in C
- ✧ Converted to pseudo machine code in one pass using recursive-descent analysis

AWARDS

Outstanding Undergraduate, Beihang University Jun. 2013
Merit Student of the School of Computer Science and Engineering, Beihang University Dec. 2012
The Second Prize of National Software Design and Development Contest for Software Talents Jul. 2011
The First Prize of National Olympiad in Informatics in China Oct 2008