

Education

University of Virginia *Charlottesville, VA*

Dec 2017

School of Engineering and Applied Science

Master of Computer Science

Relevant Coursework: Design and Analysis of Algorithms • Machine Learning • Natural Language Processing • Computational Visual Recognition • Internet Scale Applications

Fudan University *Shanghai, China* 3.08/4.0

Jul 2010

Bachelor of Engineering in Software Engineering (Fudan & University College Dublin Joint Program)

Relevant Coursework: Java Programming • Introduction to Computing System • Operating Systems • Introduction to Web Application • Software Engineering • Database Systems

Work Experience

Citigroup, *Shanghai, China*

Jul 2010 - Aug 2016

Assistant Vice President (Java Team Leader)

RCAST Reporting - A centralized Citi risk regulatory reporting platform.

(E-Core, SparkJava, Spring, Hibernate, Oracle, EHCACHE, JDK 8, Google Guice, Google Guava, MyBatis)

- Developed the UI based on internal web framework named E-core.
- Researched and introduced Google Protobuf as message payload between client and server.
- Implemented HTTP server side architecture using Command Pattern based on Jetty.
- Redesigned the architecture using SparkJava as an embedded-jetty framework to populate restful web services.
- Developed the ETL framework based on EHCACHE.
- Promoted JDK upgrade from 7 to 8 and host one share session about JDK 8 within the team.
- Set up TeamCity, Jenkins and Sonar for project quality assurance.
- Host code katas for the team to learn new techniques, practice TDD and improve problem solving skills respectively.

Java Developer

CVA Reporting - A batch based ETL and analytic system to calculate and report credit risk measures.

(Flex 4, JMS, Spring Batch, Sybase, Drools)

- Redesigned and implemented the whole project using Java to replace the original Perl based system.
- Implemented scheduler service using Spring Batch.
- Authored the APIs for exposure service, calculation service and adjustment Service.
- Established the communication between scheduler and other services using JMS.
- Designed and implemented a re-usable Excel reader module for adjustment file upload based on Apache POI.

Project Experience

BoxLink - <https://github.com/MinghuaJiang/BoxLink>

Sep 2016

Desktop file sharing tool which allowed user to drag and drop files into it and get the shared link from clipboard automatically. Java, OAuth 2, Box Restful API

JTakeColor - <https://github.com/MinghuaJiang/jTakeColor>

Feb 2015

Desktop color capture tool with which user is able to take color for any on-screen objects in RGB mode or Hex Mode and put it in their own CSS file. Java, SWT & JFace

Technical Skills

Languages: Java, Perl, Shell Script, Python**Java Frameworks:** Spring, Google Guice, JUnit, Hibernate, MyBatis, Google Guava, EHCACHE**Software Engineering:** Requirement Analysis, OO Design, Agile Process for Software Development, Software Testing.**Databases:** Oracle, Sybase, MySQL, MongoDB**Web Technologies:** Restful Web Services, JMS, Java EE, Web Containers like Jetty, Tomcat, Websphere**Certification**

Oracle Certified Professional Java SE 8 Programmer

Feb 2016

<https://www.youracclaim.com/badges/b677ee45-eede-464b-ac14-85156fedf3dd>

Oracle Certified Professional Java SE 7 Programmer

Jan 2016

<https://www.youracclaim.com/badges/8d069bd3-ce4b-4e49-a4f9-f019b188a6d5>**Awards & Honors**

Citi CTO Platinum Excellence & Dazzle Award 2015 Q4

Dec 2015

Quarterly Citi CTO Global Award for those who have inspired team excellence through leadership and consistently demonstrated outstanding performance and leadership.

Citi Spot Award 2013 Q4

Dec 2013

Quarterly Citi Regional Award to recognize and reward employees regionally with best quarterly project contribution.