

**Education**

---

**University of Virginia** *Charlottesville, VA*  
 School of Engineering and Applied Science  
 Master of Computer Science

Dec 2017

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.