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Minghua Jiang

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Objective

Seeking a Software Development Intern position for Summer 2017.

Education

University of Virginia *Charlottesville, VA*   Dec 2017
Master of Computer Science
Relevant Coursework: Design and Analysis of Algorithms   Internet Scale Applications   Machine Learning
                                            Computational Visual Recognition   Natural Language Processing

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   Database System   Operating System   Data Structures and Algorithms
                                            Introduction to Web Applications   Object-Oriented Programming   Software Engineering

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.

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

Twitter-Sentiment-Classification - https://github.com/MinghuaJiang/Twitter-Sentiment-Classification   Nov 2016
Implemented and trained four different models for two-point and three-point scale twitter-sentiment classification task
including Naive Bayes, SVM, LSTM and CNN.   Python, Theano, NLTK, scikit-learn
BoxLink - https://github.com/MinghuaJiang/BoxLink   Sep 2016
Desktop file sharing tool which allows user to drag and drop files into it and get the shared link from clipboard automatically
based on Box.   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(Expert), Perl(Expert), Shell Script(Expert), Python(Familiar)
Java Frameworks: Spring, Google Guice, JUnit , Hibernate, MyBatis, Google Guava, EHCache
Software Engineering: Requirement Analysis, OO Design, Agile Process for Software Development, Software Testing
Web Technologies: Restful Web Services, JMS, Java EE, Web Containers like Jetty, Tomcat, Websphere

Certification

Oracle Certified Professional Java SE 8 Programmer   Feb 2016
Oracle Certified Professional Java SE 7 Programmer   Jan 2016

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.