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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*   3.93/4.0   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 CCAR Reporting - A centralized Citi risk regulatory reporting platform for CCAR stress testing.
   (E-Core, SparkJava, Spring, Hibernate, Oracle, EHCache, JDK 8, Google Guice, Google Guava)

- 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 and data query API 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.
- 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 Analysis - https://github.com/MinghuaJiang/Twitter-Sentiment-Classification   Dec 2016

Twitter-Sentiment-Classification implemented using Naive Bayes, SVM, CNN, LSTM with a web application built based on
Flask.   Python, Flask, Bootstrap, TensorFlow, Lasagne, scikit-learn

Storefront Recognition - https://github.com/MinghuaJiang/storefront_recognition   Dec 2016

A storefront recognition system based on the combination of supervised and unsupervised learning with a web application
built based on Flask.   Python, Flask, Bootstrap, Torch, Yelp API, Google Street View API, GoogleMap Geocoding API.

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

Technical Skills

Languages: Java(Expert), Perl(Expert), Shell Script(Expert), Python(Familiar), Lua(Familiar)

Java Frameworks: Spring, Google Guice, JUnit , Hibernate, Google Guava, EHCache

Machine Learning Tools: Torch, TensorFlow, Keras, Theano, Lasagne, scikit-learn, NumPy, SciPy, NLTK

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

(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.