**Hui Sun**

New York, NY |hui.sun.cmu@gmail.com| (412)944-4635

**Summary**

*Experienced and interested in software engineering, data analysis and statistical modeling*

**EDUCATION**

***Carnegie Mellon University (CMU)***  Pittsburgh, 2011-2012

*Master of Information Systems Management*

* GPA: 3.78, Graduated with Distinction
* GRE: verbal: 630 top 9%, quantitative: 800 top 6%

***University of International Business and Economics*** Beijing, 2007-2011

*Bachelor, Information Systems*

* GPA: 3.33

***CFA Level 2 Candidate***  2014

**EXPERIENCE**

**Developer/ Senior Associate**

*- J.P.Morgan* New York, since 01/2015

* Develop technical solutions of commercial trending analysis with JAVA, bash, SQL, PL/Postgre SQL and SAS.
* Develop and support fixed income trading surveillance with J2EE Spring, Oracle 11g, HTML, Hadoop and bash scripting by using natural language pattern processing (NLP).

**Senior Analyst/ AVP**

*- Risk Management, J.P.Morgan Chase*Columbus, 02/2013-01/2015

* Developed JAVA applications to perform rolling statistics on monetary database and automated Risk’s real-time decision trees.
* Involved in and engineered all real-time statistical models that saved ~ $10MM/ month.
* Developed and maintained 80+ ad hoc SAS reports which saved ~$2MM/ month, including production fixes, deep dives, fraud trend following, geographic location generating, malware capturing and negative information monitoring for name, physical address, email, account number, routing number, devices and IP address.
* Developed 40+ RSA SilverTail in-memory scripts generating web session intelligent scores and models.
* Work with Operations, Project Management, Software Engineering, Investigation and external vendors for enterprise releases, testing, production issues and technology initiatives affecting ~20MM customers.

**Software Engineer Intern**

*- Enterprise Architecture,* *BNY ConvergEx Group| Eze Castle Software* Boston, 2012

* Developed an investment portfolio management system based on trading statistics and Microsoft API Reactive Extensions; listened to stock price tickers from Bloomberg/ Reuters; ramified, calculated and consolidated real-time, event streams.
* Significantly enhanced Code Maintainability, improved Concurrency Control and boosted output efficiency by 20%

**SELECTED PROJECTS**

***Model Implementation Automation***

* Coded application to translate statistic model into real-time database stored procedure for risk monitoring.

***Payee Aggregate Database Automation***

* Built database for dynamic statistics of ~0.2B credit history records with JAVA and MySQL.

***Visual Sentiment Analysis Tool for eBay***

* Established business metrics, developed an open source, dynamic propagation Visual Tracking Tool for data mining; created data analysis to illustrate eBay’s health and competitiveness on Twitter, and proposed ways to further business engagement.

***Global Snapshot of Distributed System***

* Utilized Message Driven Bean and Java Messaging Services to model market exchanging via communication channels.
* Implemented the Chandy-Lamport Snapshot Algorithm, initialized simulation and performed real-time global inventory check.

***Social Network Site***

* Implemented fully functional Social Network Site based on Struts and adopted Hibernate for Object Relational Mapping.
* Deployed MVC to separated concerns among User Interface Design, Database Maintenance and Development for maintainability.

**SKILLS**

C, C++, JAVA & J2EE (Spring, Hibernate, Struts), .NET (VB, C#, ASP, WCF, Reactive Extensions), HTML, Web Services, Oracle

Middleware, SQL, PL/ SQL, PL/Postgre SQL;

Oracle 11g, Microsoft SQL Server, MySQL, Sybase, DB2, Teradata, Lotus Notes, Google App Engine, Linux, UNIX, SAP;

Decision tree, Linear Regression, SAS,Salford Predictive Modeler, VBA and Spreadsheet Modeling, Testing, Data Mining