**Huilin Ma**

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**Objective**

Highly motivated graduate student with strong background in quantitative business analysis and information technology seeking an entry level opportunity.

**Education & Honors**

**Stevens Institute of Technology, Hoboken, NJ**

Master of Science in Business Intelligence and Analytics, **GPA: 3.81/4.0,** 05/2015

Coursework: Financial Decision Making; Knowledge Discovery & Data Mining; Statistical Learning and Analytics; Process Optimization; Web analytics; Data Management; Multivariate Data analysis and Risk Management.

**Honors:** Masters Fellows Award from Stevens Institute of Technology (2013)

**South China University of Technology (SCUT),** Guangzhou, China

Bachelor of Engineering in Chemical Engineering with a Minor in Finance, 06/2013

Major relevant courses: Advanced Calculus; Statistics and Probability; Linear Algebra; Macro Economics;

Econometrics; Accounting; College Physics

**Skills**

* **Operating Systems:** Windows, Mac OS, Linux
* **Programming:** SAS Base, SAS(Stat/Marco), R, Python, SQL, C++, Visual Basic
* **Software**: Tableau, MySQL Workbench, SAS Enterprise Miner, Statistica, Access, Weka, Gephi, Excel
* **Others**: Relational database theory and design, ETL concepts
* **Language**: Mandarin, English

**Certificate & Rewards**

* SAS Certified Advanced Programmer for SAS 9 05/2015
* SAS Certified Base Programmer for SAS 9 03/2015
* National Computer Rank Examination Certificate of C++, Grade: 2 07/2013
* 1st prize at China Math Olympic Competition for Primary School Students 04/2002

**Experience**

**Stevens Institute of Technology,** Hoboken, NJ, Summer 2014

Research Assistant, School of Business

* Gathered data about business analytics and data science programs form the web
* Used Excel to do data visualization, manipulation and summarization including cluster analysis and discriminant analysis.

**China Merchants Bank (SEHK: 3968, SSE: 600036)**, Chengdu, China, Summer 2012

Retail Banking Intern

* Supported retail clients by providing online banking, credit card and foreign exchange services
* Learned basics of banking products and communication

**Projects**

**Stevens Institute of Technology,** Hoboken, NJ, 2014

**Stock Price Trend Prediction Using News** Fall 2014

* Scraped stock prices from Reuters using Python
* Labeled news by stock price trend using two labeling methods
* Used Python to compare different classification algorithms such as Naïve Bayes, Decision Trees and Regression
* Developed a decision support system to anticipate stock price trends after the release of news

**Investigation of Vinho Verde Wine's Physicochemicals, Quality and Type** Spring 2014

* Generate exploratory factor analysis to define the underlying structure among the wine’s variables
* Construct an overall multiple regression analysis to find out significant impact on wine’s quality
* Utilized physicochemical data to predict wine’s type using logistic regression

**Restaurant Sentiment Analysis** Spring 2014

* Parse the review and mine the words from Urbanspoon website
* Categorize the word into positive and negative
* Using Python’s NLTK package and Naïve Bayes Classifier algorithm to test the validity of results with 80% accuracy