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**SUMMARY**

My experience spans from financial services to database management, machine learning, statistical and predictive analytics. My expertise lies in predictive modeling techniques, such as clustering, classification, random forest, PCA, and time series.

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**EDUCATION**

<b>Rensselaer Polytechnic Institute (RPI), Lally School of Management</b>	Dec. 2014
Master of Science in Business Analytics, GPA: 3.73/4.0	Troy, US
<b>Zhejiang University (ZJU), College of Economics</b>	Jun. 2013
Bachelor of Economics, Major in Finance and Banking, GPA: 3.81/4.0	Hangzhou, China
✧ Academic Excellence Scholarship, 3rd Place at Zhejiang Province Collegiate Advanced Mathematics (Calculus) Competition	
<b>Summer Exchange Program at University of California in Los Angeles (UCLA)</b>	Aug. 2011-Sep. 2011
<b>14<sup>th</sup> Annual INFORMS Conference on Business Analytics &amp; Operations Research</b>	Mar. 2014

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**WORK EXPERIENCE**

<b>Facts and Measures, LLC, Full Time as Data Scientist I</b>	Feb. 2015-Present
✧ Utilized Power BI to visually and statistically analyze the healthcare data of NY, figured out the poor hospitals and dangerous regions, and finally presented the meaningful results to the Microsoft people; Applied R and SQL to making data mining	
<b>Facts and Measures, LLC, Summer Intern as Data Scientist</b>	Jun. 2014-Aug. 2014
✧ Utilized SQL queries to format unstructured data into the logical and predefined database for the company Capital Financial	
✧ Performed data cleaning and classification analytics for census data of United States using SQL Server, SPSS and R; Interpreted the interesting characters concerning family income and labor force participation for the RLS Demographics, Inc.	
✧ Received Splunk training; Learned the methods of data search and creating dashboards	
<b>HSBC (The Hongkong and Shanghai Banking Ltd), Hangzhou Branch</b>	Jul. 2012-Aug. 2012
<i>Retail Banking and Wealth Management Department, Intern</i>	
✧ Handled simple interviews with clients to provide home mortgage loan and explained the policy of floating interest rate	
✧ Verified client employment and income information; Delivered key payback information by calling clients after loans had been reviewed; Summarized and categorized home mortgage business according to real estate enterprises by Excel	

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**PROJECTS**

<b>RPI Alumni Survey</b>	May. 2014
✧ Performed descriptive statistics about respondents to acquire representative features, such as gender, degrees gained in RPI	
✧ Figured out top three aspects of student experience alumni regarded highly after eliminating null values and outliers	
✧ Found five variables affecting alumni's judgments of student experience based on the results of logistic regressions and came up with suggestions to improve their satisfaction about overall student experience, such as offering more career opportunities	
<b>The "See Click Predict Fix" Kaggle Contest</b>	Nov. 2013
✧ Used R to create nineteen features (three level of cities, six level of sources and ten level of primary tags) to analyze the number of views, votes and comments each issue in the training dataset had received to date	
✧ Applied linear regression, decision tree and cross validation to analyze results and validate models	
✧ Found what characteristics of issues citizens most care about, made prediction and earned 97/100 (Class mean is 89.1)	
<b>ANOVA and Regression Analysis</b>	Dec. 2013
✧ Defined the research question, collected monthly data and made ANOVA test to analyze the variance in different areas and house types to characterize the real estate market of US in 2012	
✧ Performed regression analysis and examined multicollinearity to find that, compared with PPI and consumer credit, CPI and disposable income are most related with consumption in US, given monthly data from 1992 to 2012	

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**ACTIVITY**

<b>CIMA Global Business Elite Challenge Series, team leader</b>	Oct. 2011-Nov. 2011
✧ Decided analysis framework, allocated tasks, set the time schedule and drew up the plan of market development for Papy	
✧ Optimized the method of energy saving and emission reduction by referring to Wal-Mart, Carrefour etc	
✧ Launched a discussion on the issue of foreign supply combined with the current situation abroad	

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**TECHNICAL SKILLS**

✧ Microsoft Certified Systems Administrator; Proficient user of Excel, SPSS Modeler, R, Tableau and Splunk