# Jacky(QI) Zhang

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## Professional Headline

- Finance background with 6 years studies and working experiences in Bank, Security Agency and logistics group
- Technical skills include SQL, SAS, SPSS, STATA, R Programming, Python Programming. Microsoft Excel, with more than 2 years practice.
- Coursework focuses on learning the quantitative skills required to analyze financial information, statistics analysis, machine learning and Fintech

## EDUCATION

**The University of Texas at Dallas** — December 2017
*Master of Science in Business Analytics* — GPA 3.74
*Master of Science in Finance* — GPA 3.56
**Shenzhen University** — June 2015
*Bachelor of Science in Finance*

## Technical Skills

Sql • Excel • Hadoop • R • Python •Tableau • VBA • Stata • Spss • Power BI • Access • SAS(Adv Certified)

## Professional Experience

**American Heart Association | Dallas, TX**
*Data Analyst(practicum)* — Aug 2017 – Present
- Created blueprint to build team structure, workflow processes, and implement project tracking system for the newly formed data science practicum team
- Utilized Python to do data cleansing, Applied ML models with highest accuracy to recognize important features and to predict potential unsuccessful raisers, visualize and identify the reason and tendency of failure
- Create an interactive dashboard to allow AHA to better understand the insights and identify new methods to improve fundrasing

**Dimerco Express Group | Shenzhen, CHINA** — Jan 2014 – May 2014
*Data Analyst Intern*
- Built a variety of SQL queries to efficiently retrieve and integrate real-time data from the database
- Analyzed data by Excel and SPSS to detect outliers of logistics records, examined unusual commodities in warehouse and provided report management
- Communicated with clients and assisted to get the effective supply chain mamnagement

**China Construction Bank | Shenzhen, CHINA** — Jun 2013 – Sep 2013
*Office Assistant of International Business Department*
- Managed oversea transactions using MS Excel, recorded details and entered the data, collaborated with colleagues to confirm information accuracy and wrote bilingual reports
- Processed Letter of Credit, Collection and Released notices to bank tellers of other sub-branches, Revised documents in terms of the requests from clients

## ACADEMIC PROJECTS

**Texas Instrument Marketing Analysis of Pricing Strategy (SAS & Tableau)** — Aug 2017 – Present
- Colaboreated with TI Pricing team to analyze as-is business processes and global transaction data features.
- Used SAS to cleanse the data, based on Revenue, profit, quantity of each transaction to create new segments by applying cluster analysis, computed each segment's price elasticity.
- Visualize and compare new segments with existing category by Tableau. Focused on significant customers and came up with suggestions and for the pricing strategies to Ti.

**Smart Beta Strategy Based on Portfolio Analysis with Linear Regression ( R )** — Jan2017 - Mar 2017
- Identified candidate factors including fundamentals, markets, technical indicators, imported data for 10 stocks
- Implemented text mining in R to retrieve Tweets, transform the text, and assign sentiment score to each stock
- Built rolling window regression and generated information coefficients, selected factors for the final model
- Constructed portfolio by backtesting with Sharpe Ratio, drawdown, VaR, introduced to potential clients.

**Influences of macroeconomic indicators on U.S. sector index returns(Research) ( R )** — Aug 2016 – Dec 2016
- Integrated different categories of macro indicators (i.e. PCE, CPI, GDP), Constructed time series model, factor model with different time lags and PCA model through stepwise using R
- Evaluated each model for 9 stock sectors return through Adj.$R^2$, Average % Error, MAD and time series plot, Concluded the ability to forecast returns over long term Is more significant.