

ZICHEN CHEN

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Highly analytical and process-oriented Data Analyst with in-depth knowledge of database types; research methodologies; and big data capture, curation, manipulation and visualization. Furnish insights, analytics and business intelligence used to advance opportunity identification, process reengineering and corporate growth.

Education

WASHINGTON UNIVERSITY, OLIN BUSINESS SCHOOL, St. Louis, MO

December 2018

Master of Science in Business Statistics (Overall GPA: 3.60/4.0)

- Curriculum: Data Analytics & Forecasting, Predictive Analytics, Optimization & Simulation Methods, Cloud Computing
- President of the Olin Big Data Association (OBDA)

VASSAR COLLEGE, Poughkeepsie, NY

September 2013-May 2017

Bachelor of Art, Majors in Mathematics and Economics (Overall GPA: 3.78/4.0, Mathematics Major GPA: 3.87/4.0)

- Studied in University College London (UCL) as an affiliated student

Skills

- Programming Language: R, Python (NumPy, Pandas, SciPy, matplotlib, scikit-learn), VBA, JavaScript
- Databases: MySQL (Data retrieval, Aggregation, Data Integration), Teradata, Oracle
- Big Data: Apache Spark, Apache Hive, AWS
- Business/Statistics Analytics: Power BI, Tableau, SAS, SPSS, STATA, Excel, Mathematica

Working Experience

Wells Fargo Advisors, Clayton, Missouri, USA

September 2018-December 2018

CEL Consulting Project (Capstone Project), Data Analytics Lead

- Reorganized source data (2 years, 50,000+ unique accounts, 20+ million transactions) using Python, including build a data pipeline to transform the source data into multiple granularity levels automatically
- Performed multi-level k-means clustering on source data based on activity patterns and account features, then used Isolation Forest to detect anomalous client behaviors and generated business insight on potential life events that relate to the anomalies
- Created a predictive model with Python for anomaly forecasting and recommended a reporting mechanism for the financial advisors. The model is later used to optimize client's management resources and budget for its financial advisory services

Cosmos Corporation, Wentzville, Missouri, USA

May 2018-August 2018

Data/Business Analyst Intern

- Collected data of nationwide distributors and built a data pipeline using Python, then generated market share and analysis report using Power BI, which supported a meeting for VP of Marketing and major distributors
- Performed market analysis on distributors using R and created line review report for clients, increased order volume by 10%
- Built auto-updated dashboard in Power BI to help managers monitor product movement status and past period performance
- Initiated new methodologies to design back-end data connection and reduced dashboard loading time by 30%

Warburg Pincus, Beijing, China

May 2017-August 2017

Research Analyst Intern

- Collected data and information and created a report on China's major Household appliance maintenance and recycling companies using SQL and Tableau that supported an investment deal of a China-based electronic company
- Worked cross-functionally with other project teams and developed research report with Python on Chinese mutual fund industry for the finance group, which later leads to the purchase of stakes from a Chinese mutual fund

PeaceBird Group Co., Ltd., Ningbo, China

June 2016-August 2016

e-Commerce Analytics Intern

- Predicted best-selling products with historical data using R and re-arranged the product page to increase the sales by 17%
- Analyzed data and designed a reward mechanism that increased the sales by 10% during Chinese "Black Friday" sales

Leadership Experience

President, Olin Big Data Association

August 2017-October 2018

- Cooperated with local data science organization and organized event that hosted more than 300 people
- Planned and organized various all-campus events such as technical workshops, data science competition and talent panels

Student Ambassador, Olin Business School

August 2017

- Joined 2 student panels as panelist and offered insights on Olin business school related topics for prospective students
- Contacted and communicated with over 50 admitted students to as student representative and answered inquiries