

# Rachel(Sisi) Chen

A Master of Business Analytics and an MBA coupled with four years of practical experience in business analytics



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## SKILLS

Tableau

SQL

Python

Excel

PowerPoint

R

Google Analytics

## LANGUAGES

English

Full Professional Proficiency

Chinese

Native or Bilingual Proficiency

## INTERESTS

Reading

Writing

Blogging

Photography

Travel

Art

## WORK EXPERIENCE

### SQL Nanodegree Mentor

Udacity

03/2020 - Present

San Jose, CA

Udacity is a for-profit educational organization offering massive open online courses.

Achievements/Tasks

- Helped the students to utilize **MS SQL**, **MySQL**, and **PostgreSQL** to finish the database architecture, design, integration, and/or data modeling projects.
- Answered students' day-to-day questions about SQL Data Definition, Data Manipulation, Performance Tuning, and Optimization.

### Business Analyst

Navajo Inc.

12/2017 - 12/2019

Denver, CO

Navajo Inc. is a manufacturer and distributor of essential consumer packaged goods in all channels of retail trade.

Achievements/Tasks

- Prepared Daily / Weekly / Monthly sales analysis reports, using **SQL** to extract data from multiple data sources. Identified and tracked the key metrics, visualized them in dashboards, created and maintained 30+ **Tableau/Excel** dashboards, and presented them to the stakeholders and customers.
- Utilized **Python** to applying time series prediction models in predicting the sales of 3000+ Walmart stores and 200+ products. Collected stores' trait data and the past 10 years' sales to improve the model's accuracy. The results enabled Navajo to manage the inventory efficiently and to make an advanced business plan for each salesperson.
- Created dynamic sales data pipelines in **AWS**. Created custom operators to perform tasks such as staging the data and filling the data warehouse. Ran tests against the datasets to catch any discrepancies after executing the **ETL** steps.

### Advanced Data Analyst Intern

SambaSafety

06/2017 - 11/2017

Denver, CO

SambaSafety is the pioneer provider of cloud-based mobility risk management software solutions.

Achievements/Tasks

- Worked with Sales Engineering team. Applied models such as **Logistic Regression**, **KNN**, **SVM**, and **Decision Tree** to forecast a driver's likelihood to cause an accident. Created a suite of predictive analytics that was integrated with SambaSafety's product. Presented the new function to the clients such as UPS freight.
- Extracted and normalized over 200 features from MongoDB and selected main features that may affect drivers' accident risk with **SQL** and **Excel**.
- Helped SambaSafety to provide customer and channel-partner reports by conducting exploratory data analysis, data transformation, and data visualization of motor vehicle records data with **Tableau**.

## EDUCATION

### Master of Business Analytics

University of Denver

06/2016 - 11/2017

Denver, CO

### Master of Business Administration

University of Denver

03/2014 - 06/2016

Denver, CO