

PROFESSIONAL SUMMARY

Accomplished data researcher skilled in analysis, visualizations, research, and development. Able to utilize statistical software to analyze large data sets to extract insights and develop predictive models.

Core competencies:

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|----------|-------------|----------|
| • Python | • MySQL | • R |
| • Kafka | • MongoDB | • Hive |
| • Pig | • Snowflake | • Hadoop |

EDUCATION

The Whitman School of Management, Syracuse University • Syracuse, NY

July 2022

Master of Science in Applied Data Science

Built and managed databases with SQL, exposure to working with data in several NO-SQL databases. Used python and R to organize data and perform analytics. Learned pivot tables, linear regression, IRR, NPV, and one/two-way sensitivity analysis in excel.

Utah Valley University • Orem, UT

Bachelor of Science • Major: Chemistry • Minor: Mathematics

DATA SCIENCE PROJECTS

NFL Performance Analysis

Reviewed play by play data from each game in the National Football League from 2009-2018. Extracted the winning percentages of each quarterback for games thrown over forty times to recommend if quarterbacks should increase pass attempts per game. Language used: Python

Income Research

Examined data of over 30,000 individuals looking at some of their characteristics (employment status, marital status, age, gender, education, etc.) and if they make over or under \$50,000 a year. Cleaned and prepped data to be summarized with series of histogram and then created test and train data sets to run a few machine-learning models, random forest and XG boost. Language used: R

Texas Adult Protective Services Intake Analysis

Examined historical data of adult abuse claims made in all counties of Texas from 2013-2020. This data included the alleged victim's gender, race, age, county of residence and the victim's allegation. After categorizing the allegations into physical, sexual, emotional, exploitation, and medical, I created a time series to predict the number of allegations per category for the next year. I did so by transforming the data to be stationary, training and testing the model, then having the model predict the claims for the following year. Language used: Python

PROFESSIONAL EXPERIENCE

GTMS Logistics • Bluffdale, UT

Oct 2021-Present

SQL Report Writer

- Through python, I automated over 65% of my primary responsibility of pulling data from Snowflake, creating reports, and emailing those reports to our customer service team. Additionally, I created several different data validations throughout the automation to ensure that the correct data was being sent to our customers.
- Validation of incoming data.
- Create and monitor processes in Matillion.
- Performed analyses of bids from carriers to find the best rates/carriers to ship the customers' products.

Dynamic Blending • Vineyard, UT

May 2019– Oct 2021

Chemist I

- Oversaw over 40 products in various stages of research and development and helped reduce research and development life cycle by 30%.
- Interacted with customers regularly to meet product specifications.
- Created standard operating procedures to increase efficiencies in the lab.

Ashland Property Management • Lehi, UT

Oct 2018–May 2019

Maintenance Technician

- Provided all forms of property maintenance and repairs.
- Managed a query of 50 different maintenance requests.

Elite Contract Manufacturing • Lindon, UT

Jun 2017–Oct 2018

Encapsulation Machine Operator

- Operated pill encapsulating machine and performed maintenance and quality control.

ARUP Laboratories • Salt Lake City, UT

Aug 2016–Jun 2017

Processing Technician

- Processed inbound patient tests for reference laboratory. Provided quality validation and test preparation for assigned labs.

COMMUNITY ENGAGEMENT**The Church of Jesus Christ of Latter-Day Saints • Chesapeake, VA Volunteer Missionary**

Jul 2014–July 2016