**Cal Wardell** Cedar Hills, UT 84062 (801) 687-2991 • cal.wardell@gmail.com

**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:**

• 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