

MADELINE FLORES

Experienced data analyst with a strong background in SQL, Python, and R currently working in the healthcare sector.

Contact:

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Github: <https://github.com/maddieannette>

Kaggle: <https://www.kaggle.com/madelineflores>

Experience:

Data Analyst - Data Science

Clinical Pathology Laboratories, Austin, Texas

July 2021 - Current

- Wrote complex SQL queries to obtain data to be utilized in ad hoc and automated reports
- Extracted raw data from databases using SQL and R
- Developed various R scripts to accelerate weekly data manipulation tasks
- Advanced Excel such as Pivot Tables and Vlookups

Claims Support Technician

Driscoll Health Plan, Corpus Christi, Texas

December 2020 - July 2021

- Support claims department in reviewing, investigating, and researching claims through EPIC
- Complete verification on CMS/UB claims to ensure that all claims have correct information according to state guidelines
- Complete analysis and research of all incoming appeals

Data Analyst - Logistics

General Electric - AAR, Corpus Christi, Texas

August 2020 - December 2020

- Analyze data and track parts related to military helicopters
- Utilized various software applications(IFS) and underlying databases to export into spreadsheets for operational reports
- Automate weekly reports for product managers and QA supervisors to determine any discrepancies in incoming materials

Skills:

R, Rstudio, Python3, MySQL, Tableau, Advanced Excel, Javascript, HTML5, CSS, PHP, Git, DI, MYSIS, EPIC systems, Beautiful Soup, VSCode, Git, Jupyter Notebooks, Kaggle, Pandas, Numpy

Personal Projects:

Global Death Causes

A dashboard using Tableau Public was created to examine the overall causes of death and disease worldwide. Trend analysis over the top 5 causes was conducted. As well as global mapping for all countries and causes of death.

Yelp API Data Pull

For this project, the Yelp Fusion API was used to obtain the data of 1000 restaurants in Corpus Christi, Texas, and surrounding regions. Once the data was extracted from Yelp, it was then stored in an SQLite database. Google sheets allowed for the data to be updated automatically using a task scheduler on the server. Tableau public was then connected to the existing google sheet, and a dashboard was created.

Ulta Data Web Scraping

The Ulta Data Pull utilized Beautiful Soup and Python to parse through the HTML content to obtain the relevant data needed. The scraped data pertained only to lip products such as product name, description, price, and rating. After the data pull was complete, it was then written to a CSV file and pulled into Tableau Public.

Recent Professional Projects:

Laboratory Delivery Application

This web application for the laboratory was developed for tracking incoming regional shipments. This application was built using PHP, Javascript, and MySQL. It replaced the manual process of logs and missing shipment data.

Regional Provider Dashboard

This dashboard provided revenue data of providers within our company based on NPI and specialty information. This dashboard was created using Tableau and the data was cleaned using Python3.

Education:

Texas A & M University-Corpus Christi

Bachelors of Science

Clinical Laboratory Science: August 2020