

JAVIONNE WESTON

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EDUCATION

FreeCodeCamp

Certification, Data Science

PROFESSIONAL EXPERIENCE

Other

Freelance Data Engineering & Analytics Projects

Remote

January 2024 - Present

- Designed and optimized SQL queries to efficiently extract, filter, and aggregate large datasets from MySQL databases
- Developed automated ETL pipelines using Python to clean, structure, and transform raw data for reporting and analytics
- Built Power BI dashboards to visualize key metrics, streamlining business intelligence reporting
- Implemented data validation and cleaning processes, ensuring high data quality and consistency.

Cobb County Government

Firefighter

Cobb County, GA, USA

January 2023 - Present

- Maintained structured reports and analyzed operational data to improve efficiency
- Developed documentation and reporting processes to enhance decision-making
- Collaborated with cross-functional teams to improve data accuracy and compliance
- Provided structured training and mentorship to new recruits, enhancing operational efficiency.

PROJECTS & OUTSIDE EXPERIENCE

Web-based ETL Pipeline for GDP by country - [Link to project](#)

- Built an ETL pipeline to extract GDP data from a webpage using BeautifulSoup
- Transformed the data from millions to billions and structured it into a clean table of countries by GDP
- Loaded the final dataset into both a CSV file and an SQLite database using Pandas and SQLite.

Cardiovascular Disease Analysis - [Link to project](#)

- Analyzed a dataset of medical examinations using Python
- Cleaned and normalized the data with Pandas, then reshaped it to examine correlations between cardiovascular disease presence, or absence, and various health indicators
- The results were then visualized through a categorical bar chart and a heat map using Matplotlib and Seaborn.

1994 Census Data Exploration - [Link to project](#)

- Conducted a brief analysis of the 1994 U.S
- Census dataset using Python and the Pandas library
- Explored the dataset by asking and answering simple questions to uncover basic patterns and insights.

ETL Pipeline for the 10 Largest Banks by Market Cap - [Link to project](#)

- Built an ETL pipeline to scrape data on the 10 largest banks in the world and their market caps (in USD millions) using BeautifulSoup
- Transformed the data by converting market caps into various local currencies using exchange rates, then aggregated the results into one central table
- Finally, loaded the transformed dataset into both a CSV file and a SQLite database using Pandas and SQLite.

SKILLS

Skills: Power BI, MySQL, Postgres, Communications, Excel/Numbers/Sheets, Data Analysis, Data Structures & Algorithms, IBM Db2, Pandas, RDBMS, Python, SQL