Richard M. Flores
Data Analyst

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SUMMARY

I am an accomplished Data Science & Analytics expert with 5+ years of experience. I am adept at employing Python, SQL, and various tools for data extraction, analysis, and visualization to guide organizational decision-making. My expertise spans ETL processes, report creation, and project leadership. I am fervent about predictive modeling, regression analysis, and forecasting, making me a significant asset to companies aiming to leverage data to its fullest potential.

EXPERIENCE

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February 2023 – Present

Data Analyst

• Developed ETL processes utilizing DynamoDB, MySQL, and Elasticsearch for data extraction from diverse sources.

• Authored Python scripts for data extraction and transformation, enabling efficient reporting and analysis.

• Designed Excel reports and pivot tables to display data and discern trends.

• Oversaw AWS Redshift, maintaining peak performance and scalability in data warehousing.

• Performed data analysis via Power BI and Tableau, revealing insights to inform business decisions.

• Demonstrated agility in adapting to the fast-paced startup landscape, ensuring data analysis aligned with market and client requirements.

Data Glacier

November 2022 – February 2023

Data Science Internship

• Spearheaded end-to-end data science projects, encompassing proof of concept creation and data product deployment.

• Employed machine learning methodologies and tools like Scikit-Learn and TensorFlow for feature selection, classifier construction, and optimization.

• Led data administration teams in establishing and executing data policies, standards, and models, leveraging software like Apache Kafka and Apache Spark for data pipeline management and data quality assurance.

EDUCATION

National University
Ph.D., Data Science
May 2022 – Present

Western Governors University
M.S., Data Analytics
June 2021 - May 2022

University of Texas at El Paso
B.S., Physics
Aug 2015 - Dec 2019

PROFESSIONAL SKILLS

Data Analytics Expertise:
Data Representation, Statistical Evaluation, Data Purification & Preparation, Predictive Model Development, Business Insight, Data Storage Management, Information Extraction

Data Analytics Tools: Microsoft Excel, Tableau, Jupyter Notebook, Power BI, Apache Hadoop, Apache Spark, Git, PyCharm, PGAdmin, PostgreSQL

Coding Proficiencies:
Python (with Numpy, Pandas, Matplotlib, Seaborn, PyTorch, Scikit-Learn, TensorFlow libraries), R, Scala, SQL, HTML5, CSS3, JavaScript

Twitter

May 2020 – October 2022

Data Analyst

• Authored well-documented, scalable SQL, Python, and Hadoop code to improve existing products and introduce new features, employing technologies like Google BigQuery, Presto, and Vertica for data processing and storage.

• Performed analyses across diverse domains, including customer, product, business operation, cost, media, and people analytics, utilizing tools like Tableau, Power BI, and Google Analytics.

• Managed the comprehensive data analysis process, from project inception to deployment, and conveyed findings to stakeholders and leadership, promoting continuous collaboration and feedback.

University of Texas El Paso

January 2019 – December 2019

Research Assistant

• Undertook research on biphotonic imaging via two-photon microscopy for nanoparticle visualization, leveraging software like ImageJ and MATLAB for image processing and analysis.

• Examined data employing Python and libraries like Pandas, NumPy, and Sklearn, while crafting SQL queries for data extraction and manipulation from databases.

• Fostered robust communication with industry and research collaborators, sharing findings and jointly working on research initiatives.

Atos

July 2017 - December 2018

Data Analyst

• Performed intricate data analysis for numerous national brands, employing tools like Excel, Access, and SQL for data manipulation, cleansing, and processing.

• Developed and supervised data reports, guaranteeing the precision and comprehensiveness of all data sets.

• Conducted daily system assessments and data audits, pinpointing and rectifying issues to preserve data quality and integrity.

• Cooperated with management and clients to establish data analysis needs and deliver insights that informed business decisions.