

# Richard M. Flores

## Data Scientist

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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

#### Anvl

*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.

## ACADEMIC SOCIETIES

Presidential Member - Sigma Alpha Phi  
Chapter President - Society of Physics Students

Member - Sigma Gamma Epsilon

Member - Latinos in Science and Engineering

Member - Machine Learning Social Club

Member - Club Zero Mathematics

## ONLINE COURSES

### DataCamp

- Data Scientist with Python
- Data Engineer with Python
- Data Analyst in SQL
- Machine Learning Scientist

### Udemy

- Complete 2023 Web Development Bootcamp
- Complete SQL Bootcamp 2022
- Complete Python Pro Bootcamp 2023
- Tableau A to Z 2022

## PERSONAL WEBSITE

<https://richardflores.me/>