

# Juan Pablo Perez Flores

Dallas, TX

(956) 295-5586 [juanp.pzfs@gmail.com](mailto:juanp.pzfs@gmail.com) [linkedin.com/in/juan-pablo-perez-flores/](https://www.linkedin.com/in/juan-pablo-perez-flores/)

## Summary

Data Analyst skilled in SQL, Python, and data transformation, with experience cleaning, analyzing, and structuring 150K+ datasets to generate actionable insights. Strong background in data validation, automation, and statistical analysis to support business decisions. Passionate about leveraging data-driven solutions to optimize processes and improve efficiency, while continuously expanding my expertise in analytics.

## Work Experience

### CHRISTUS Health, International Operations

**Jun 2023 - Present**

Data Analyst Intern

Irving, TX

- Developed Python scripts to extract and update item master data for 20,000+ medical supplies, automating a previous manual process and reducing processing time by 94%
- Cleaned and structured 150,000+ records using SQL and Python, ensuring data accuracy before delivering datasets to the Supply Chain Team for analysis and decision-making.
- Validated product pricing data using Python and Excel, identifying discrepancies between negotiated prices and actual purchase prices, helping the Supply Chain Team detect pricing inconsistencies and optimize vendor negotiations.
- Led multiple process automation projects using Python and Knime, reducing data processing time by 98% on average and enabling faster analysis for supply chain operations.

### University of Texas at Arlington, Office of International Education

**Feb 2021 - Jun 2023**

Lead Student Worker

Arlington, TX

- Managed and maintained an Excel-based student records tracking system, monitoring 4,000+ documents and ensuring accurate student notifications.
- Performed data validation and cleanup on 2,000+ student immigration records, identifying formatting errors, duplicates, and missing values to improve reporting accuracy.
- Automated document tracking workflows using Excel functions and formulas, reducing manual tracking time and improving processing efficiency.

## Education

### The University of Texas at Arlington

**May 2025**

Bachelor's, Business Analytics

Minor in Information Systems

## Projects

### Automated Inventory and Spend Analysis

- Developed a Python automation script to replicate and enhance an Excel-based inventory report, reducing processing time by 99% for 35,000+ medical supplies
- Extracted, preprocessed, and merged datasets to analyze spending, usage, and inventory depletion, applying color-coded risk categorization.
- Automated KPI report generation, exporting spending trends, stock turnover rates, and visual insights into Excel with integrated graphics.

### Workforce Gender Pay Gap Analysis

- Conducted SQL-based analysis on gender representation & wage gaps across industries, cleaning and structuring data for reporting.
- Performed Exploratory Data Analysis (EDA) to identify key trends and pay disparities between men and women in different job roles.
- Created interactive Tableau visualizations, showcasing median salaries, workforce distribution, and pay gaps by gender.

### Data Cleaning and Transformation Pipeline

- Automated data cleaning and transformation using SQL and Python, ensuring structured datasets for analysis.
- Standardized and validated raw data, removing inconsistencies and missing values to improve reporting accuracy.

## Skills

- **Technical Skills:** Data Visualization (Power BI, Tableau), Data Cleaning & Extraction (SQL, Python, Knime, Apache Hadoop), Database Management (MicroStrategy, SQL, Informatica, Relational DB Structures), Data Modeling, Advanced Excel (Pivot Tables, VLOOKUP, Power Query), Programming (Python, Java), Machine Learning.
- **Languages:** English, Spanish (native)