WALTER URBANO LEYVA

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Professional Summary

Physicist and data analyst with a Master's in Data Analysis and Massive Data Visualization. Strong background in quantitative methods, big data, and interactive data visualization. Experienced in designing data workflows, extracting information from heterogeneous sources, and communicating results through dashboards and visual analytics tools.

Education

Masters Degree in Data Analysis and Massive Data Visualization (program completed; degree pending issuance)

Universidad Internacional de La Rioja en México (UNIR)   2023 – 2025

Key coursework: Big Data & NoSQL, Artificial Intelligence Techniques, Interactive Data Visualization, Data Governance, Engineering for Massive Data Processing.

Bachelors Degree in Physics

Universidad Autónoma de Baja California (UABC)   2014 – 2018

Specialization in optics and applied physics.

Skills Summary

Programming Languages: Python, SQL, Java, C++, MATLAB, Mathematica

Data & ML Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, PySpark, BeautifulSoup, Selenium

Data Tools & Technologies: Excel, Power BI, MySQL, MongoDB, Apache Spark, Docker, LaTeX

Platforms & Environments: Jupyter Notebook, PyCharm, Visual Studio, GitHub, Streamlit

Soft Skills: Teamwork, problem solving, analytical thinking, effective communication

Work Experience

Skip Agent | Westlake Financial   November 1, 2024 – February 20, 2025
- Conducted investigations and customer location using internal databases and external data sources.
- Improved customer identification accuracy by 10% through information cross-referencing and pattern analysis.
- Prepared concise reports to support decision-making in risk management and collections.

Loan Processor | Westlake Financial   December 18, 2023 – September 9, 2024
- Optimized the account distribution process within operations, improving processing times and workload balance.
- Implemented workflow enhancements that reduced waiting times and increased operational efficiency.
- Verified and analyzed financial documentation to ensure compliance with internal policies.

Projects

UberEats Data Analysis in Tijuana

- Extracted and analyzed restaurant data from UberEats in Tijuana using web scraping techniques.
- Identified trends in gastronomic offerings, price variability and restaurant distribution by category.

- Built an end-to-end pipeline using Python (BeautifulSoup, Selenium, Pandas), SQL for data storage and Power BI for visualization.
- Deployed an interactive dashboard for exploratory analysis and business insights: **Dashboard UberEats Tijuana**.

Big Data & NoSQL Project

- Implemented Apache Spark for large-scale data processing, optimizing ETL workflows over high-volume datasets.
- Used PySpark for querying, transforming and aggregating data efficiently in distributed environments.
- Integrated MongoDB as a NoSQL database for unstructured data storage and retrieval.
- Developed advanced aggregation pipelines in MongoDB to analyze complex datasets.
- Built an interactive Streamlit dashboard to visualize and analyze high-volume data in near real time.
- Designed automated ETL processes to extract, transform and load data from multiple sources.
- Deployed Dockerized solutions to ensure reproducible and scalable data analysis environments.

Certificates

- **Data Analysis and Visualization Diploma** — Universidad Internacional de La Rioja en México (UNIR)
  November 4, 2024 – April 13, 2025
- **Data Architecture Diploma** — Universidad Internacional de La Rioja en México (UNIR)
  May 13, 2024 – October 6, 2024
- **Python Programming Certification** — Universidad Internacional de La Rioja en México (UNIR)
  October 2, 2023 – June 2, 2024
- **SQL Databases Certification** — Universidad Internacional de La Rioja en México (UNIR)
  October 2, 2023 – June 2, 2024
- **Soft Skills Certification** — Universidad Internacional de La Rioja en México (UNIR)
  October 2, 2023 – June 2, 2024
- **Power BI Certification** — SOA (Online Academy)
  October 5, 2024 – November 5, 2024

Languages

Spanish: Native
English: Advanced
French: Basic