# Manuel Alberto Linares Yepes

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Python Dev, Machine Learning & Data Analytics

As a Mechanical Engineer from Universidad de Los Andes with a Google Data Analytics certification, I bring a solid analytical foundation and a methodical approach to interpreting complex data sets. My hands-on experience includes working with key data analysis tools such as Excel, VBA, Access, R, Python (Pandas, NumPy, Scikit-Learn), and Power BI, as well as database management systems like Salesforce and Airflow. I have a track record of maintaining data accuracy, producing clear, actionable reports, and ensuring compliance with regulatory standards.

Beyond technical capabilities, I excel at transforming raw data into insights that guide strategic decisions. My attention to detail, strong communication skills in English, and ability to collaborate across teams make me well-suited to the clinical recruitment environment. I am motivated to leverage my analytics background to support effective participant enrollment, enhance data quality, and deliver valuable, data-driven recommendations that help streamline recruitment efforts and improve trial outcomes.

Emphatic | Assertive communication | Leadership | Self- starter | Creative | Problem solving.

## Work experience

**Worley Consulting, Bogota, Colombia.**                              Feb 2025- Present.
**Data Analyst.**

Built real-time dashboards and predictive models using Python, Power BI, and Access/Excel to analyze petroleum coke shipment data, helping improve demand forecasting accuracy by 12%.

Created and maintained scalable data pipelines in SQL, Python, and Reduced report generation time by automating extraction and transformation pipelines.

**London Consulting Group (Freelance), Bogota, Colombia.**          May 2024- Feb 2025.
**Operations Consultant.**

Designed and implemented a supervised machine learning model in Python to classify a service database, improving pipeline optimization and data processing efficiency. Also, Analyzed client strategies and processes to identify data-driven improvement opportunities through various studies. Participated in data engineering projects, designing customized solutions using advanced methodologies. Implemented necessary changes in data systems, ETL processes, and technologies to enhance client profitability. Developed business strategies using business intelligence tools such as Power BI and other applications.

- Developed a supervised machine learning model in Python to classify a services database for catalog development, optimizing data pipelines and contributing to efficient data processing.

**PipeCare Group, Funza, Colombia.**                                Nov 2023- May 2024.
**Junior Data Analyst.**
As a Junior Data Analyst, I contributed to pipeline integrity by ensuring accurate ILI (Inline Inspection) run data, conducting data analysis, and reviewing software interfaces. My role involved preparing run assessment reports and identifying obstructions, which required meticulous attention to data accuracy and integrity. I maintained data accuracy, updated documentation, and supported

the Data Analysis Team Leader and Manager. I demonstrated strong skills in process analysis and database quality assurance, utilizing analytical tools like Excel, Access, LiteSQL, Minitab, and SPSS.

- Develop Power BI presentation to identify real-time data inconsistencies, enhancing data accuracy and reliability. This project improved data pipelines and provided actionable insights, aligning with best practices in data engineering and supporting informed decision-making.

**Baker Hughes, Cota, Colombia.**                                  Dec 2019 - Oct 2023.
**Field Technician II.**

Ensured data integrity and compliance during inline inspection projects, producing detailed reports for clients across international teams. This involved maintaining high data quality standards and aligning processes with regulatory requirements.

- **Data Collection Pipelines:** Managed data collection and processing pipelines for inline inspection projects in Colombia and Mexico.
- **Data Integrity Reporting:** Provided data integrity reports using Python and SQL to clients and analysts in international teams. them start implementing aws and airflow to automate tasks relate to the jobs.
- **Process Optimization:** Executed and led pre-commissioning and inline inspection projects, optimizing data collection methods.
- **Cross-Functional Collaboration:** Worked with teams across Canada, the USA, and Argentina to ensure data consistency and integrity.
- **Equipment Maintenance:** Performed corrective and preventive maintenance on equipment, ensuring optimal performance

# EDUCATION

**Ingeniero Mecánico**
**Universidad de los Andes**
Bogotá, Octubre 10, 2019.
Tesís,
[Mathematical model to predict the behavior of a resonant vibration fatigue machine for oil drillingpipes.](#)

Google Data Analytics, 2023.
**Google Academy, Coursera.**

Python Developer, 2024
**Sololearn, ID CC-L26PZIRI**

Python 101 for Data Science, 2024.
**IBM Developer Skills Network, Cognitive Class**
Python Programming MOOC, 2024.
**Programming course (BSCS1001, 5 ECTS) from the Department of Computer Science at the University of Helsinki.**