

LUCIANO ARGEO MALAGOLA ANGOLA

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GitHub: <https://github.com/LucianoMalagola/Project-Portfolio>

PROFILE

Bachelor's Degree in Electronic Engineering with a strong background in data analysis, report automation, data visualization, and Business Intelligence solutions. Hands-on experience with advanced Excel (PivotTables, Power Query, VBA, complex formulas) and Power BI (data modeling, DAX, dashboard design), complemented with knowledge of Python and SQL. Currently pursuing a Micro-credential degree in Artificial Intelligence and Business Data Analytics, along with the IBM Data Analyst Professional Certificate. Passionate about analytics, machine learning, innovation, and continuous learning.

EXPERIENCE

Main Street Renewal – Data Reporting for Supply Chain & Field Services Teams

Ultrapark II, Heredia | Jun 2025 – Present

- Manage interactive Power BI dashboards to monitor KPIs, workloads, and team performance.
 - Apply data modeling, create DAX measures, and consolidate information from multiple sources to deliver clear and actionable insights.
- Develop dynamic operational reports in Excel using PivotTables and dynamic charts.
 - Integrate VBA automation and ActiveX controls to streamline performance analysis and enhance reporting efficiency.
 - Utilize VLOOKUP/XLOOKUP functions to quickly locate work orders and improve the user experience.

Swissol – Photovoltaic Systems Engineer – *Internship*

San Rafael, Alajuela | Dec 2024 – Mar 2025

- Performed data import, cleaning, validation, and performance analysis from client photovoltaic systems in Excel, generating weekly reports with visualizations and PivotTables to evaluate performance by system type.
- Managed and updated the technical inventory in Excel, ensuring accurate control of equipment and materials.
- Installed and maintained photovoltaic systems, including panels, inverters, and batteries.
- Assisted with inspections, system design, and technical documentation.

EDUCATION

Universidad Latinoamericana de Ciencia y Tecnología (ULACIT)

May 2025 - Present

Micro-credential Degree in Artificial Intelligence and Business Data Analytics

Universidad Latina de Costa Rica (ULATINA)

Jan 2020 - Aug 2025

Bachelor's in Electronics Engineering

INDEPENDENT PROJECTS

Diabetes Classification Model – *Ongoing*

- Developing a Python classification model to detect diabetes in patients using a 45-variable medical dataset.
- Performing data cleaning, validation, and EDA with pandas, NumPy, seaborn, and matplotlib.
- Evaluating ML algorithms – including Logistic Regression, Random Forest, KNN, and XGBoost using scikit-learn.

Financial Data Modeling and Forecasting

- Developed a Monte Carlo simulation in Python to forecast 7-day stock price trends using yfinance, Pandas, and NumPy.
- Designed visualizations in Matplotlib to interpret confidence intervals and volatility scenarios.
- Generated risk-based insights to support financial decision-making.

LANGUAGES

Spanish (Native)

English (Proficient - C2)
(IB Bilingual Diploma)

Italian (Intermediate - B2)

SKILLS

- **Microsoft Excel (Advanced):** PivotTables, dynamic charts, Power Query, macros and automation, VBA, advanced formulas (VLOOKUP/XLOOKUP, INDEX-MATCH, logical functions), structured tables, data validation.
- **Microsoft Power BI:** Data modeling (Star Schema, relationships, normalization), DAX measures and columns, UI/UX design, visual storytelling.
- **Programming Languages:**
 - Python (Pandas, NumPy, Matplotlib, Seaborn, BeautifulSoup, Scikit-learn, TensorFlow)
 - SQL (MySQL, PostgreSQL, SQLite, IBM Db2)
 - R (statistical modeling and visualization using ggplot2, readr and tidyverse)
- **Tools:** Tableau, Microsoft Power BI, Microsoft Excel, Microsoft Power Query, IBM Cognos Analytics, GitHub, Visual Studio Code, Jupyter Notebooks, RStudio, Databricks, Salesforce.
- **Personal traits:** Adaptable, collaborative, accountable, committed to continuous learning, effective decision-making.

CERTIFICATIONS

IBM Skills Network

- **Professional Certificates:**
 - IBM Data Analyst
- **Courses:**
 - Data Visualization and Dashboards with Excel and Cognos
 - Python for Data Science, AI & Development
 - Databases and SQL for Data Science with Python
 - Data Analysis with Python
- **Specializations:**
 - Data Analysis and Visualization Foundations

Expected Completion - Jan 2026

Completed - May 2025

Completed - Jun 2025

Completed - Sep 2025

Completed - Nov 2025

Completed - May 2025

Universidad

Latinoamericana de Ciencia y Tecnología

- **Courses:**
 - Advanced Data Analysis for Business
 - Deep Learning and Neural Networks
 - Big Data and Processing Technologies
 - Foundations of Artificial Intelligence and Machine Learning

Completed - Aug 2025

Completed - Aug 2025

Completed - Aug 2025

Completed - Aug 2025

RICE University

- **Bootcamps:**
 - Clinical Needs Finding Bootcamp 2024
 - Medical Innovation Bootcamp 2024

Completed - May 2024

Completed - Jun 2024