ALEJANDRO PINTO

DATA SCIENTIST

CONTACT

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- LinkedIn

SKILLS

Data Science Libraries:
Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, SciPy, Pytorch, Tensowflow, nltk

Excel: Macros and VBA

Database: SQL server, MySQL, Postgress

Visualization Tools: Tableau, PowerBI, Power apps and python

Modelling in RStudio

Cloud: GCP, AWS and Microsoft Azure

Automation: Selenium, Alteryx and Power Automate and python

VCS: Git and GitHub

EDUCATION

M.Sc. Applied Statistics and Data Science   **2024-**

Universidad El Bosque

Focused on leveraging statistical techniques and data science tools for practical problem-solving. Gained expertise in RStudio for data analysis, modeling, and sampling, with a strong emphasis on machine learning and deep learning applications to uncover insights and drive data-driven decisions.

B. Sc. Physics   **2021**

Universidad Industrial de Santander

Computational Characterization (energy, electronic, and phononic structure) of material perovskite-like Ruddlesden-Popper $Sr_2(Ta, Nb)O_3N$ in order to provide more information about the possible ferroelectric behavior.

PROFILE

Physicist and Data Scientist with experience in business analytics, machine learning, and deep learning, and I'm comfortable working with data in the cloud. I am skilled in data processing and visualization, and I use a variety of tools to get the job done. My toolkit includes Python libraries like scikit-learn and TensorFlow, and I am proficient in SQL, Excel, and Power BI for data management and reporting. I work well in team environments and enjoy collaborating on projects that create tangible value.

WORK EXPERIENCE

2025

Research Asistant - Data Science

Universidad El Bosque

- I am currently developing a convolutional neural network for a multi-regression task to predict several parameters of the (CMB), using the DeepSphere library for deep learning on spherical data.
- My work involves processing and analyzing complex datasets using the HEALPix framework, which is essential for handling astronomical data.
- I have experience in hyperparameter tuning to optimize model performance, including adjusting learning rates, network depth, dropouts and other critical parameters to achieve the most accurate predictions.
- I design and implement deep learning models TensorFlow, with a focus on both accuracy and interpretability.
- I am skilled in preparing and cleaning large, high-dimensional datasets, ensuring they are properly formatted and feature-engineered for neural network training.
- I rigorously evaluate model performance using relevant metrics, translating complex model outputs into actionable scientific insights.
- I optimize code for efficiency, leveraging GPUs to accelerate model training and managing research projects using Git for version control and collaboration.

2024-2025

Business Intelligent Analyst

Teleperformance

- As a Reporting Business Analyst, I specialize in extracting, transforming, and analyzing data from diverse sources to provide actionable insights that drive strategic and operational decision-making. My role bridges raw data and meaningful narratives by developing robust reporting solutions tailored to meet business needs.
- Data Reporting & Visualization: Design, automate, and optimize regular and ad hoc reports using Power BI and Excel, ensuring clarity and accessibility for stakeholders.
- Performance Monitoring: Track and analyze KPIs to identify trends, opportunities, and areas for improvement.
- Client-Focused Reporting: Utilize advanced Excel techniques to deliver customized metric reports, addressing client-specific requirements.
- Database Management: Upload and manage client-provided databases in SQL, extracting data for further analysis and visualization in Tableau.
- Process Automation: Develop Python scripts to streamline workflows, significantly reducing task turnaround time and enhancing efficiency.
- Collaborative Solutions: Work cross-functionally to refine reporting tools, ensure data accuracy, and align outputs with organizational goals.

ALEJANDRO PINTO

DATA SCIENTIST

Data Analysis   **2022**

CORRELATION ONE DS4A

Practicing data analysis skills with real-life cases to prepare for data analysis jobs. Improving tools like spreadsheets, SQL, and Python.

Exploratory Data Analysis   **2023**

SENA

Creation of charts in Python and analytical reports in PowerBI.

LANGUAGES

English
Spanish

Data Analyst

2024

Nuyacar wholesale Stationary

- As a data analyst, I leverage data to drive efficiency, boost sales, and optimize inventory. Utilizing tools like Azure, Siigo, and Power BI, I focus on demand forecasting, supplier performance, and process improvement. I analyze customer segments and purchasing behavior to tailor marketing strategies and identify upselling opportunities.
- I create interactive dashboards for real-time insights and automate reporting to streamline processes. I evaluate product performance, manage product lifecycles, and optimize pricing strategies. Through competitor benchmarking and market trend analysis, I identify growth opportunities. Key KPIs I manage include inventory turnover, profit margins, customer retention rate, order cycle time, marketing ROI, and sales conversion rate.
- By transforming data into actionable insights, I support informed decision-making and sustainable business growth.

Research Assistant Data Analyst

2023

Universidad Industrial de Santander

- Performed post-processing of data with the codes VASPkit and Phonopy to analyze the electronic and phononic structure of materials.
- Analyzed structural energy with Python libraries such as Pandas, NumPy,Seaborn, and Matplotlib, as well as the PyProcar library. • Used software such as Grace and PyProcar for electronic and phononic structure analysis.
- Developed and optimized computer codes in Python to perform simulations on supercomputers, achieving significant improvements in computational efficiency and data analysis.
- Created reports using the markup language LaTeX.
- Presented research findings at the Materials Research Society (MRS) and contributed to the dissemination of research results through scientific outreach activities.
- Consolidated databases of bibliographic reviews.
- Prepared research projects for internal calls from UIS and MinCiencias Colombia.
- Facilitated effective communication among team members by leading research group meetings.