Roger Galindo

Head of Data & AI

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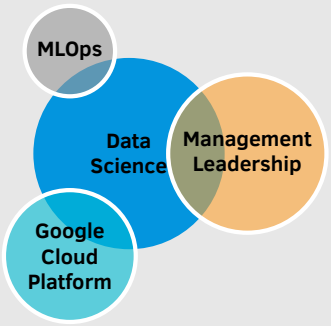
Rgalindo85

About Me

A physicist, passionate about data applied to find real valued solutions, with 5+ years developing e2e products, including AI, for several fields like agroindustry, telcos, oil & gas and banking, deployed on GCP. I lead full processes from brainstorming to running in production, guiding and helping to find the best tool to use, presenting results and the benefits achieved to the stakeholders.

Skills

Overview



Details

0 % → 100 %

VertexAI - BigQuery - Python

Airflow - Apache Dataflow

Looker Studio

Education

PhD(c)., Physics 2012 - 2020
Experimental Neutrino HEP
U. Técnica Federico Santa María

MSc., Physics 2009 - 2011 MC Simulation in HEP
U. del Tolima

BSc., Physics 2002 - 2007
U. Pedagógica Nacional

Experience

Apr 2022 - Currently — **Head of Data & AI** — Demetria Colombia SAS
Colombia

Lead all solutions for ML/AI, from brainstorming to deployment. Create model testing protocols, following up the requirements based on business cases. Creating the work plan, road map and requirements to achieve the company goals.
Tools: Big Query, Kubernetes, Cloud Storage, Vertex AI, Firestore. Models are served as API for mobiles. I help to design cloud architecture, data pipelines, data lake and developing the machine learning models and serve them into production under MLOps principles. I present results, periodically, to C-level leaders about the benefits and performance.

May 2021 - Mar 2022 — **Data Scientist** — Demetria Colombia SAS
Colombia
Projects
- *Taste quality prediction of coffee*
  - Classification model to identify taste defects in cup
- *Humidity level prediction in parchment coffee*
  - Regression model to humidity level

Tools: Big Query, Kubernetes, Cloud Storage, Vertex AI, Firestore. Models are served as API for mobiles.

Feb 2019 - May 2021 — **Data Scientist - Consultant** — GrupoDot SAS
Colombia
Projects
- *Collections and Sales - Telcos*
  - Model for recovery unpaid debts.
  - Identification of customers willing to accept an offer of up selling, cross-selling and SVA.

  Tools: Big Query, Composer, Dataflow, Storage, AI Platform. The solution were developed and tested in a QA environment, guiding the tech team to deploy them in production. We presented to business leaders the results of performance of the models and data transfer and management.
- *Oil and Gas Industry*
  - Upstream Solutions - Well logs imputation from missing data.
  - Seismic images segmentation via Deep Learning.
  - Lithology clustering and classification via machine learning
  - Oil and Water production forecasting.

  Tools: Big Query, Storage, AI Platform. The solutions were developed under a test environment, showing the POC, it benefits and usability. The results were presented to company president and board of directors, and a road map to transform the data management, governance to success criteria.
- *Banking*
  - Transaction predictions based on customer behaviors.
  - Customers segmentation based on its transactional behavior.
  - Graph models data representation.
- *Achievements* Employee of the year(2019) due to my work on banking and oil-and-gas which allows to create a new branch in the company.

Ago 2014 - Ago 2018 — **Data Analyzer - Grad Student** — MINERvA - Fermilab
USA
Projects
- *Neutrino Interactions* Study of subatomic particles interactions, during collisions to understand the behavior of matter at those scales of energy.
- *Particles Identification* Electromagnetic particle classification based on their interactions with matter.
- *Electromagnetic Energy Calibration* Improvement in the EM energy calibration to reduce measurement uncertainties
- *Achievements* My work,allowed to increased the accuracy of measurements of neutrino interactions that helps to build a better model. Also motivated the collaboration to create a machine learning division in the group.