

**Luis Ramirez**

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## Career Summary

I have an Electrical Engineer Degree from the Universidad de Los Andes. I have worked for 7 years in data science across several industries including: industrial IoT, finance, industrial fishing, and real estate.

## Summary of Qualifications

Proficient In

- Python
- R
- Docker
- SQL
- Azure
- GCP
- Flask/FastAPI
- Apache Spark
- MLops
- Optimization
- YOLO
- ONNX

## Languages

- Spanish (Native speaker)
- English (Professional proficiency)

## Career History

### Globant

October 2021 - Current

#### *Data Scientist Senior*

- Train anomaly detection and predictive maintenance models using Federated Learning
- Train segmentation models to identify defects in steel sheets
- Deployment of video processing models for object detection and tracking on a Jetson Nano Device and Nvidia DeepStream SDK

#### *Data Scientist SSR ADV*

January 2021 - October 2021

- Train anomaly detection models for industrial IoT applications.
- Implementation of a PoC for deploying object detection models on Edge devices using the ONNX ecosystem.

### Coderhouse

Mar 2022 - Current

#### *Data Science Professor*

- Teach an introductory 6 months Data Science course with the Python tech stack to groups of 100 students

### Brain Food

December 2019 - January 2021

#### *Data Scientist*

- Train and deployment of recommendation models for the leading Chilean credit card management company using the Spark ecosystem.

### Freelance Data Scientist

April 2019 - January 2021

- Train models for forecast, reinforcement learning, and NLP with state-of-the-art libraries such as GPT-2, BERT, and Prophet.
- Implementation of APIs in Flask to deploy the models in Azure containers.

### TASA

September 2018 - March 2019

#### *Data Scientist*

- Development of a neural network model in Keras to estimate the quality of fishmeal through near-infrared spectroscopy measurements.
- Optimization of the supply chain for fish oil using linear programming tools (OR-tools and Pulp).

### KUKUN

November 2015 - August 2018

#### *Data Scientist*

- Development of a model to calculate the return on the investment of remodeling residential spaces.
- Selection and implementation of a Geographic Information System (GIS) using PostGIS for geocoding and reverse geocoding of over 20 million addresses.

### **Education Background**

Universidad de Los Andes, Venezuela,  
Electrical Engineer degree

October 2016