Jose C. Valenzuela Nieto

JUNIOR BIG DATA DEVELOPER
Data scientist - data engineer - analyst

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Education Background

KeepCoding© Tech School

Bootcamp - Fullstack Artificial Intelligence, Big Data and Machine Learning
2021 - 2022
Data Science full stack developer. 648h. Bootcamp focused on preparing a professional profile with knowledge in:
#Cloud_Architecture #Python
#Scala #Spark #SQL
#Data_Visualization #R
#Tensorflow #Keras
#Deep_Learning #NLP

University of Córdoba, Spain

Official master's degree in Teaching in Secondary Schools
2015 - 2016

Degree en Physics
2010 - 2015
Obtaining a degree in physics from the University of Cordoba. Undergraduated
Thesis in in the study of pulse propagation in photonic crystal fibers (PCF) by
applying the SPLIT-STEP method with a grade of outstanding.

Work History

Algorithmics Spain

Educational technical director
2018 - 2021
I was responsible for training new teachers, providing accessibility to new franchises in Spain and developing new lessons.
For the development of my daily tasks I use Python, SQL and Git.

Xplorers360. Advance Innovacion Educativa

Coordinator
2016 - 2028
Company dedicated to robotics and educational technology nationwide. I was responsible for the innovation and company formation project. National and international trips: Global Robot Expo (IFEMA MADRID), Bett (London).

Expertise & Skill

tableau · scikit learn · PostgreSQL · TensorFlow · Apache Spark · python · R · Google Cloud

Capabilities

Continuous Learning
Adaptability
Resilience
Teamwork
Creative

Languages

Spanish: mother tongue

English: B2 Cambridge

German: A1

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Projects resume

Price prediction model using neural networks

https://github.com/Vanitcode/Predictive-model-neural-networks

I predice the price of AirBnb rooms using all the features available in the dataset. This leads to a problem with two inputs data (numeric and image) that I am going to solve using Deep Learning techniques.

Simulation of mobile antennas

https://www.youtube.com/watch?v=zx7ARAvMotE&t=204s (Spanish)

Lambda architecture for processing data collected from a simulation of mobile phone antennas. The architecture consists of three layers with their respective technologies:

- **Speed Layer**: Spark Streaming, Kafka, Google Compute Engine.
- **Batch Layer**: Spark SQL, Google Cloud Storage.
- **Serving Layer**: PostreSQL, Apache Superset.

NLP. Sentiment analysis

https://github.com/Vanitcode/NLP-sentiment-analysis

Didactic project to understand the different technologies involved in Natural Language Processing (NLP). A sentiment analysis has been carried out for a dataset of video game reviews on Amazon.

In process: APP_FI

https://gitlab.com/Vanitcode/APP_FI

F&I is an app developed in Flask that predicts the success or not of an application in the Google Play Store. For the prediction, a Machine Learning model (a Random Forest Clasiffier) has been trained with an accuracy of 0.92 in validation data.
In the repository it is seen that a Multilayer Perceptron model (MLP) was also trained but less satisfactory results were obtained.