

Mariano Sánchez Olmos

Data Scientist

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Education

Master on Deep Learning and Artificial Intelligence

Universidad de Alcalá de Henares, 2020 - Present

Core themes: Supervised Learning, Reinforced Learning, Unsupervised Learning, Programming, Applied Maths, Scalable & Parallel Computing

Master on Decision Making and Innovation

Universidad de Alcalá de Henares, 2018 - 2019

Core themes: Finance, Negotiation, HR, Agile, Project Management

Engineering bachelor's degree, Aerospace Engineering

Universitat Politècnica de València, 2014 - 2018

Core themes: Maths, Physics, Fluid Dynamics, Aerodynamics, Calculus.
Activities and Societies: EUROAVIA



Design, Build & Fly of a Cargo Drone at HVA

February 2018 - July 2018

Project Coordinator in Carthago Nova at EUROAVIA Valencia

January 2015 - January 2018

Experience

Data Science & Big Data Consultant

June 2019 - Present

In the analyst position, my main task is to perform multiple data analysis and predictions on different production parameters (machine logs and business performance indicators) to make data-driven decisions.

To do so, I am in charge of the whole data pipeline preparation and analysis. From data pipeline creation and cleaning with PySpark, to web-dashboarding Generation (HTML, CSS, JS) and data predictions implementing Deep Learning techniques in Python



Data Analyst at AIRBUS

July 2018 - June 2019

At this position, my task was basically to develop a Python-based dashboard (Flask) for analyzing online and real-time various internal company data packages, following Big Data and Machine Learning techniques such as NLP.



Languages

Spanish
English
French

Mother Tongue
Cambridge FIRST Certificate & TOEFL 91 score
A2 Level

Awards

Space Station Design Workshop at Institut für Raumfahrtssysteme

August 2017

Project Manager - Winning team in the 2017 edition of the SSDW



International model rocket contest RoWo Cluj-Napoca

August 2016

2nd Position on EUROAVIA Cluj-Napoca International Model Rocket Contest

Papers

Permanent crewed Mars base by 2030 - Outcomes of an Interdisciplinary ...

Reference: IAC-18-E2,3-GTS.4,9



INTERNATIONAL
ASTRONAUTICAL
FEDERATION

Courses

Completed

Scrum Master – Expert Scrum Master Foundations: Xsfera | 20 hrs

Certificate ID: 191140587

Python Data Scientist Track: DataCamp | 100 hrs

Certificate ID: 105993

Python Data Analyst Track: DataCamp | 60 hrs

Certificate ID: 90909

Machine Learning by Andrew NG: Coursera & Stanford University | 60 hrs

Certificate ID: FQN5G84TXR7F

Introduction to R Programming: edX & Microsoft Online | 20 hrs

Certificate ID: 88516b5b9d5d4a7481117944e2a86f83

Full Stack Web Development Bootcamp: Udemy | 20 hrs

Certificate ID: UC-TA9VNJHF

Complete Ethical Hacking: Udemy | 25 hrs

Certificate ID: UC-fbca2710-53ca-488c-9ac5-5a1b2e688ab3

On-going

Google Cloud Platform Certification Preparation: Udemy

Skills

Advanced: Python (including pandas and sklearn), SQL & PySpark

Intermediate: HTML5, CSS3, JavaScript, Tensorflow, Keras

Basic: R, C++, Shell, Docker, Google Cloud Platform

Time Management

Project Leadership

Public Speaking

Customer Management



DataCamp

Coursera