Mariano Sánchez Olmos

Senior Data Scientist

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Experience

Senior Data Scientist

March 2021 – Present

Among others, my main tasks are the development of ML algorithms, data preprocessing, ML engineering, analytical reporting and cloud deployment, mainly on AWS and GCP. Besides this, I'm also working as technical team lead and project organization tasks in some ML/AI projects and PoC's.

Data Science & Big Data Consultant

June 2019 – March 2021

I was in charge of developing data pipelines and apps at Airbus Getafe Quality. Core technologies used included PySpark for data pipelines; HTML, CSS & JS for UI/UX development; Palantir Foundry as cloud service and Python for ML.

Data Scientist

July 2018 - June 2019

At this position, my task was 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.

Education

Master on Deep Learning and Artificial Intelligence

Universidad de Alcalá de Henares, 2020 – 2021

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

Master on Decision Making and Innovation
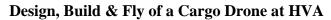
Universidad de Alcalá de Henares, 2018 - 2019

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

Team Leader in Carthago Nova at EUROAVIA Valencia

January 2015 - January 2018

Languages

Spanish	Mother Tongue
English	Cambridge FIRST Certificate & TOEFL 91 score
French	A2 Level

Awards

Space Station Design Workshop at Institut für Raumfahrtsysteme

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

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

Skills

Advanced: Python, Git, PySpark, Tensorflow, Keras

Intermediate: HTML5, CSS3, JavaScript, SQL, AWS, Docker

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

MLOps

Scrum – Agile Methodologies

Project Leadership

Public Speaking

Customer Management