Mariano Sánchez Olmos

Data Scientist

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Experience

Data Scientist

March 2021 - Present

Among others, my main tasks are the development of ML algorithms, data preprocessing, UI/UX development, SQL database architecturing and cloud deployment, mainly on AWS and GCP. Besides this, I'm also working on pre-sales and project organization in collaboration with project manager.



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 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.



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

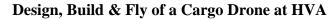
Core themes: Finance, Negotiation, HR, Agile, Project Management

Engineering bachelor's degree, Aerospace Engineering

Universitat Politècnica de València, 2014 - 2018

Core themes: Maths, Physics, Fluid Dynamics, Aerodynamics, Calculus.

Activities and Societies: EUROAVIA



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

<u>Papers</u>

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, Google Cloud Platform

MLOps

Scrum - Agile Methodologies

Project Leadership

Public Speaking

Customer Management