# MARIANO SÁNCHEZ

## Senior Data Scientist











## **EXPERIENCE**

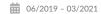
## Senior Data Scientist



## Rubikum

- Coordinated a team of 4 data scientists and 6 software developers working on Al project for Spanish public sector
- Design of WP, planification and executive presentation of results on AI project for Spanish public sector
- Modeled the payment default for credit-card company with 95 percent accuracy
- Integrated MLOps workflows and pipelines on multiple data science projects
- Worked on training and production deployment on AWS of NLP models for multinational energetic company.

#### **Data Scientist**



#### Altran

- Development of a ML-based predictive maintenance system for production machines
- Technical lead, planification and executive presentation of results to business stakeholders
- Ranked as global Top-20 developer in Airbus internal StackOverflow
- Digitalization of multiple business processes in Palantir Foundry, leading to considerable FTE reduction
- Generation of multiple ETL pipelines from Data Lake with PySpark following DevOps best practices

## **Data Scientist**

m 06/2018 - 06/2019

#### Airbus

- Creation of internal tool based on NLP and Clustering, conducting to more than 2 FTE reduction
- Creation of ETL pipelines, with SFS and SQL as data sources
- Creation of a UI/UX with Python Flask for internal tool users
- Training and optimization of ML models, averaging a 75 percent accuracy

## **EDUCATION**

## Msc. Deep Learning and Artificial Intelligence

Universidad de Alcalá de Henares

Madrid, Spain

- Unsupervised & Reinforced Learning
- Supervised Learning
- Convolutional Networks
- Generative Network
- Genetic Algorithms & Evolutionary Computation
- Augmented Intelligence & Human-Machine Interaction
- Model Optimization
- Parallel & Scalable Computation

## Msc. Decission Making & Innovation

Universidad de Alcalá de Henares

Madrid, Spain

- Project Management
- Agile Methodologies
- Finance
- Negotiation
- Human Resources

## **BSc.** Aerospace Engineering

Universitat Politècnica de València

Valencia, Spain

- Mathematics (Advanced Calculus, Algebra)
- Statistics
- Fluid Dynamics
- Aerodynamics
- Thermodynamic

#### LANGUAGE

Spanish

English

Proficient

French

Beginner

## CERTIFICATION

## Python Data Scientist Track

DataCamp | 100 hrs | ID: 105993

## Python Data Analyst Track

DataCamp | 60 hrs | ID: 90909

## Machine Learning by Andrew NG

Coursera | 60 hrs | ID: FQN5G84TXR7F

## Scrum Master

Xsfera | 20 hrs | ID: 191140587

## Introduction to R Programming

EdX | 20 hrs | ID: 88516b5b9d5d4a7481117944e2a86f83

## Full Stack Web Development Bootcamp

Udemy | 20 hrs | ID: UC-TA9VNJHF

## **Complete Ethical Hacking**

Udemy | 25 hrs | ID: UC-fbca2710-53ca-488c-9ac5-5a1b2e688ab3

#### SKILLS

## **Programming Languages**

Python	R	SQL	JavaScript	HTML
CSS	Git	PySpark		

## **Cloud Technologies**

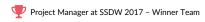
Palantir Foundry

AWS

Google Cloud

rensorrio	W Pyrorch	Reias	PowerBI	
NLP	Computer Vision	GAN		
MLOps	Docker			

## **AWARDS**





## **PUBLICATIONS**

Permanent Crewed Mars Base - Outcomes of ...

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

## MOST PROUD OF

✓ Design, Build & Fly of a Fixed-Wing Drone



