

MARIANO SÁNCHEZ

Senior Data Scientist

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Madrid, Spain



EXPERIENCE

Senior Data Scientist

TomTom

04/2022 – Ongoing

- Technical lead for ADAS analytics designing and implementing multiple quality tracking systems based on advanced analytics, following best DevOps practices and allowing for scalable and cost-effective systems
- Frequent reporting to internal stakeholders, enabling cross-team collaborations and improving external customers' satisfaction
- Close collaboration with Data Engineering team for reductions in current production processes and internal development infrastructure of up to 90%
- Collaborated in small ML projects, ranging from NLP implementations for internal use up traffic accidents detection based on probe-sensor data

Senior Data Scientist

Rubikun

03/2021 – 04/2022

- Coordinated a team of 4 data scientists and 6 software developers working on AI 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 considerable impact for customers
- Integrated MLOps workflows and pipelines on multiple data science projects
- Worked on training and production deployment on AWS of NLP models for multinational energy company

Data Scientist

Altran

06/2019 – 03/2021

- 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 with Palantir Foundry, leading to considerable FTE reduction

Data Scientist

Airbus

06/2018 – 06/2019

- Creation of internal tool based on NLP and Clustering, conducting to more than 2 FTE reduction
- Creation of a UI/UX with Python Flask for internal tool users

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

BSc. Aerospace Engineering

Universitat Politècnica de València

Valencia, Spain

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

LANGUAGE

Spanish

Native

English

Proficient

Italian

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	Azure
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Data Science

TensorFlow	PyTorch	Keras	Scikit-Learn
NLP	Computer Vision	GAN	PowerBI
MLOps	Docker		

AWARDS

Project Manager at SSDW 2017 – Winner Team

EUROAVIA Cluj-Napoca International Rocket Contest – Finalist Team

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

Carthago Nova Rocket Project

MAIVault