

MARIANO SÁNCHEZ

Senior Data Scientist

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Madrid, Spain



EXPERIENCE

Senior Data Scientist

Rubikum

03/2021 - Ongoing

- 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 95 percent accuracy
- Integrated MLOps workflows and pipelines on multiple data science projects
- Modeled the energy price series with 80 percent accuracy
- Worked on training and production deployment on AWS of NLP models for multinational energetic 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 in Palantir Foundry, leading to considerable FTE reduction
- Generation of multiple ETL pipelines from Data Lake with PySpark following DevOps best practices

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 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

Native

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-TA9VNHJF

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 |
|------------------|-----|--------------|

Data Science

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|------------|-----------------|-------|--------------|
| 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