

FRANCISCO ALONSO FERNÁNDEZ

Senior Data Scientist

+34 622850733

linkedin.com/in/franciscoalonsofernandez

@falonsof96@gmail.com

franciscoalonsof96@gmail.com



EXPERIENCE

Senior Data Scientist

Future Space S.A.

03/2023 - Present Remote

As a senior Data Scientist my role is basically to continue developing Artificial Intelligence models, not only the development of them, but being involved in all stages of the pipeline: data ingestion and architecture design, production deployment, etc. Also, a greater involvement with the client, from kick-off and follow-up meetings to dashboards and results presentation. Projects:

- Large vessels' engines optimization.** Optimization of fuel consumption and the use of different systems available on the engines according to navigation conditions.
- Image classification.** Detection of the material of different fabrics and clothes by classifying images of them taken by microscope.
- Artificial Intelligence Training.** Development of an AI course for training of both internal departments and external customers.

Data Scientist

Future Space S.A.

07/2020 - 03/2023 Madrid (Spain), Paris (France)

Development of data science models, especially those using OSINT databases and based on Natural Language Processing and Network Analysis technologies. Projects:

- International Project:** During 18 months I worked directly at the client's offices in Paris (France). Development of various office specific software. Analysis and design of full stack applications and services (Java/Kotlin). Maintenance and enhancement of a legacy Python-based search interface to an elastic cloud database. Implementation of a service to parse user input in order to carry out entity extraction and natural language processing. The team worked using agile methodology of Scrum.
- Inbox emails clusterization.** Classification of emails in, a priori, unknown groups. Study of the most representative and meaningful words/sentences/topics for each group so the customer could understand the requests and questions.
- Industry 4.0.** Creation of an algorithm to optimize the roadmaps of manufacturing processes for the digitalization process of a factory.

Data Science Intern

Future Space S.A.

10/2019 - 07/2020 Madrid (Spain)

As an intern my main task was to get in direct contact with real-life projects so I could put into practice the knowledge gained during my Master's studies. Projects:

- Characterization of prospects:** Descriptive Analysis from social network data but also prescriptive analysis trying to find out socioeconomic variables such as economic level, Big5 personality traits, etc, by using OSINT data: fingerprints and social networks.
- Fraud Detection.** Banking sector. By means of graph theory, development of an algorithm find relationships between high ranking positions in different companies in order to detect fraudulent cases.

LANGUAGES

Spanish Native English Proficient

French Intermediate

EDUCATION

Master in Data Science & Big Data

Afi Escuela de Finanzas, Madrid

10/2019 - 07/2020

- Final Dissertation: 'Models of economic prediction from social networks'.

Bachelor in Mathematics

University of Cádiz

09/2014 - 09/2019

- During the last year of my studies, I had the opportunity to go on an **Erasmus** program to University College Cork, Ireland.
- Final Dissertation: 'Relationship between fuzzy inference systems and multiadjoint logic programming'. Received Pass with Honors and was published in the University repository

SKILLS

Machine Learning

Deep Learning

Data Visualization

Storytelling

Git

Python

R

SQL

MongoDB

Elasticsearch

Neo4j

Scrum

TRAINING / COURSES

Specialized program in Deep Learning

Coursera, see [title](#)

Become a Junior Java Software Developer

Udemy, see [title](#)

English C1

English CFR Level C1 by British Council

ACHIEVEMENTS



Lecturer at Cadiz University

Lecturer about 'Artificial Intelligence models in the Human Resources sector' for two masters of the University of Cadiz: MBA in Business Management and Master in Human Resources Management.



Articles about AI

Articles on AI as part of informative sessions and communication strategies. See [articles](#).