

Álvaro Domínguez Calvo

Machine Learning Engineer

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🌐 Website

🔗 LinkedIn Profile

EXPERIENCE

•Ciklum

2021/02 - Present

Machine Learning Engineer / Developer

Remote

- I currently work as a Machine Learning Engineer. My team develops and maintain machine learning models that predicts the retail price of cars in bidding platforms. My work consists of gathering data, analyzing, training and evaluate different regression models with different vectorized car representations to improve the estimation of the retail price.
- In a team of three data scientists, I lead a deep learning project based on a classifier to predict the brand and models of cars given their images with the objective to obtain vectorized representation of the cars.
- I worked with the development team as a full stack developer. My work consisted of maintain, test and deploy applications related to car bidding domain.
- I collaborated closely with the data science team to integrate a recommender system based on vehicle historical data of the user.

•Ingenia

2019/09 - 2021/02

Full Stack Developer

Málaga - Spain

- I worked with the development team as a full stack developer. We developed, test and maintain the accounting system for Ingenia.

EDUCATION

•Universidad Nacional de Educación a Distancia

2020 - present

Master's degree in Natural Language processing

•Universidad Nacional de Educación a Distancia

2019

Computer Science

PERSONAL PROJECTS

•Automatic Fake News Detection in Social Media

Present

- Master's thesis in Natural Language Processing oriented to detect fake news within social data. I exploit contextual and user information under the hypothesis that some users are likely to post non-contrasted information.
- **Technologies:** PyTorch, Optuna, Pretrained Models, Word Embeddings, Fine-Tuning

•Multilingual trend analysis and event detection

2021

- I scraped, processed and analysed Twitter data of the COVID disease and La Palma volcano eruption to detect latent topics contained within the tweets and to cluster tweets semantically similar.
- **Technologies:** Python, Pandas, Latent Dirichlet Allocation, clustering algorithms, pretrained word embeddings

TECHNICAL SKILLS AND INTERESTS

Languages: Python, C#, SQL

Developer Tools: Git, Docker, Elastic Search, pretrained word embeddings

Frameworks: PyTorch, XGBoost, Scrapy, Gensim, Optuna, Dask

Cloud/Databases: Amazon Web Services, Azure Devops (TFS), Octopus

Soft Skills: Teamwork, communication, problem-solving

Areas of Interest: Natural Language Processing, Social Media Mining, Text Mining, word embeddings