

COSMINA IOANA NICU

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🌐 Cosmina Nicu



EDUCATION

Artificial Intelligence Master
Universidad Internacional de Valencia
📅 2021 - 2022 📍 Valencia

Computer Engineering Degree
Universitat Autònoma de Barcelona
📅 2016 - 2020 📍 Barcelona

EXPERIENCE

Machine Learning Engineer
NDT Global
📅 July, 2022 - November, 2022 📍 Barcelona

- Train models whose main objective was to find the different girth welds inside the pipes.

Machine Learning Engineer
Datisation
📅 March, 2021 - July, 2022 📍 Barcelona

- Training and deployment of a prediction model capable of predicting when a cash-handler machine is going to fail.
- Training and deployment of defect prediction and classification models in the manufacture of parts in a factory in order to improve productivity.
- Research and development of a reinforcement learning model capable of recommending the best combination of chemical compounds to obtain biomethane.
- Training of predictive models capable of detecting and preventing failures in vending machines.

Machine Learning Engineer
Wattwin
📅 March, 2020 - November 2020 📍 Barcelona

- Implementation of a recommendation system for power usage.
- Integration of the different Machine Learning models into the backend service.

Data Analyst Internship
Computer Vision Center
📅 July, 2019 - October, 2019 📍 Barcelona

- Applying NLP in historical articles with the aim of finding similarities between different articles.
- Classification of historical images.

LANGUAGES

Spanish Native ●●●●●
Catalan Native ●●●●●
Romanian Native ●●●●●
English Intermediate ●●●●●

SKILLSET

TensorFlow PyTorch Transformers
Pandas Scikit-Learn Matplotlib
Django Git Streamlit Docker
PostgreSQL Postman MySQL
Azure AWS - SageMaker AWS - S3

PROJECTS

Summarization of books with Transformers
Implementation of several models based on Transformers, which allow the generation of summaries of books of different genres and of different lengths.

Book Recommender system
Implementation of two of the most used recommended systems, capable of recommending the next book to read based on one you liked.

Sentiment analysis
Detection of the sentiment transmitted by product reviews on an e-commerce website.