# **COSMINA IOANA NICU**

- Parcelona, Spain
- @ cosminanicu@gmail.com

**(**+34) 647 60 39 11

in 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**

Barcelona

- Analyze the data to decide the best approach to find girth welds inside the pipes.
- Training and monitoring of Deep Learning models in AzureML.

### **Machine Learning Engineer**

#### **Datision**

March, 2021 - July, 2022

**♀** Barcelona

- Build a custom database for storing the collected data used to train the Machine Learning models.
- Apply data analysis techniques to decide the best model architectures.
- Training of a failure prediction model for a cash-handler machine using AWS Sagemaker.
- Evaluation of the model and deployment in AWS Sagemaker.
- Creation of Docker images containing the inference API (Flask/Django used).
- Use of monitoring frameworks, specially Weights&Biases, and automation of model re-training.

# **Machine Learning Engineer**

#### **Wattwin**

Barcelona

- Data collecting and analysis for implementing a recommendation system for power usage.
- Integration of the different Machine Learning models into the backend service.

### **Machine Learning Internship**

#### **Computer Vision Center**

H July, 2019 - October, 2019

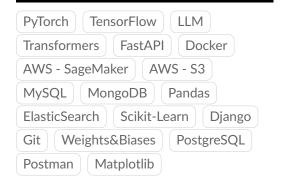
Barcelona

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

# **LANGUAGES**

<b>Spanish</b> Native	••••
<b>Catalan</b> Native	••••
<b>Romanian</b> Native	••••
<b>English</b> Intermediate	••••

## SKILLSET



# **PROJECTS**

#### **Book Summarization**

Usage of ChatGPT and several models based on Transformers, which allow the generation of summaries of books of different genres and of different lengths.

#### **Tweet Emotion Classifier**

Implementation of a model based on Transformers, which allows to classify text, according to the emotion it conveys.

#### **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.