

# Máximo Fernández Núñez

Machine learning engineer

Website	LinkedIn	GitHub	HuggingFace	Kaggle	Blog
<a href="https://maximofn.com">maximofn.com</a>	<a href="https://in/MaximoFN">in/MaximoFN</a>	<a href="https://@maximofn">@maximofn</a>	<a href="https://@maximofn">@maximofn</a>	<a href="https://@maximofn">@maximofn</a>	<a href="https://maximofn.com/blog">maximofn.com/blog</a>

## Resume Summary

- +10 years of experience. Development artificial intelligence systems for computer vision and generative AI using NLP and diffusion models. Optimization with TensorRT and OpenVino. Python, Pytorch, Numpy, Pandas, TensorRT, bash, terminal, SSH, docker, git, OpenAI API, HTML, CSS, Astro, Gradio, regular expressions, transformer, HuggingFace, MLflow, AzureML, Nvidia Jetson.

## Work Experience

### 11/2024-actual • Machine learning engineer (Freelance), Civir

#### Responsibilities

- Backend development with chatbot.
- RAG development
- Agents that obtain the user's intention and execute actions
- Development of React components for the user interface
- Implementation of chatbot through spoken communication

#### Key Accomplishments

- Customizable vector searches.
- Prompt generation using Langchain, with information from the user's question and company information through variables.

### 09/2024-11/2024 • AI tech lead, Bravent

#### Responsibilities

- Technical Leadership.

#### Key Accomplishments

- Show that it is not necessary to use Chat GPT for everything.

### 09/2022-09/2024 • Machine learning engineer, Sener Aeroespacial

#### Responsibilities

- Development of the set of vision algorithms for autonomous vehicle.
- Leadership in the development of RAG system to obtain documentation information.

#### Key Accomplishments

- Optimizing NN with TensorRT to run faster and use less memory VRAM
- Boot scripts for embedded devices. Anyone can boot an embedded device.
- Boosting the promotion of a colleague
- Mentoring of interns and juniors

### 10/2017-07/2022 • AI Engineer, Arquimea

- AI, HW and FW development..

### 01/2013-10/2017 • Electronic engineer, Indra

- HW and FW development.

## Education

### 09/2005-06/2011 • Electronic engineering

Universidad Complutense de Madrid

## Personal Info

### Location

Madrid, Spain

### Phone

(34) 635244847

### E-mail

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## Tools

Python

Pytorch

TensorRT

Computer vision

LLMs

Generative AI

Huggingface

Numpy

Pandas

Matplotlib

Git

Docker

Scikit-learn

FastAPI

SSH

Conda

Astro

Gradio

Terminal

AzureML

MLflow

## Languages

Spanish ●●●●●●●● Native

English ●●●●●●●● Professional  
[EF SET 56/100](#)  
[B2 Equivalent](#)

Portuguese ●●●●●●●● Good

# Máximo Fernández Núñez

AI tech lead



## Personal Projects

10/2023-  
11/2023

### [Subtify](#)

AI to which you give a youtube or twitch video and generates subtitles translated into the language you want, distinguishing each person who speaks in the video. If you activate the subtitles in Youtube and there are several people, it puts all the subtitles in the same color, so sometimes it can be difficult to know which person is generating the subtitles.

10/2023-  
04/2024

### [GPU monitor](#)

View temperature, percentage of use and processes of GPUs in the Ubuntu bar.

11/2023-  
04/2024

### [CPU monitor](#)

View temperature of CPU in the Ubuntu bar.

04/2024-  
04/2024

### [RAM monitor](#)

View temperature, percentage of use and processes of RAM in the Ubuntu bar.

04/2024-  
04/2024

### [Disk monitor](#)

View percentage of use of disk in the Ubuntu bar.

02/2023

### [Alfred](#)

LLM wizard for the linux terminal. With this wizard you can ask questions to the linux terminal, asking how to do what you want to do, it gives you the solution and proposes you to execute it.



## Competitions

06/2022-  
09/2022

### [HuBMAP + HPA - Hacking the Human Body](#)

Image segmentation of organs to detect functional tissue units (FTUs)

05/2020-  
08/2020

### [SIIM-ISIC Melanoma Classification](#)

Detect melanomas in moles through photos

11/2020-  
02/2021

### [Rainforest Connection Species Audio Detection](#)

Recognize animals through jungle audios

11/2020-  
02/2021

### [Cassava Leaf Disease Classification](#)

Detect diseases in plants through photos

09/2020-  
12/2020

### [Hash Code Archive - Drone Delivery](#) - [3rd position](#)

Optimize the routes of drones that have to deliver packages to customers



## Certifications

01/2023

- [EF SET English level Certificate \(56/100\)](#) - [B2 equivalent](#)



## Skills

- High communication skills
- Solution proposition
- Eager to learn
- Resilience
- Creating a good environment
- Decisive attitude
- Presentation of results
- Dynamism
- Collaborate
- Improve
- Mentoring
- Teamwork
- Agility
- Proactivity
- Empathy