



# Joseph Beasse

## AI & NLP Research Engineer

### EXPERIENCE

O5

02.2024 - Present



#### Orange - AI & NLP Research Intern

Implemented a custom BERT model to analyze optical transport network alarms using specialized embeddings. Applied natural language processing techniques to identify alarm patterns and root causes efficiently.

05.2023 - 09.2023



#### CIMPA PLM Services - NLP Intern

Simplified bid writing and proofreading processes using a suite of natural language processing tools. Streamlined a complex workflow, delivering tools to get refined and precise insights on previous related bids.

06.2022 - 09.2022



#### Popotes Cantine Respectueuse - Full-stack developer

Designed and developed the website for cashier tools.  
Created APIs between the Click & Collect website and the point-of-sale system.

### EDUCATION

O6

2023-2024

#### ENSEIRB-MATMECA - Artificial intelligence specialization

I initiated and enrolled in a year-long cross-disciplinary coursework, including machine learning (deep and reinforcement), computer vision, software Engineering for AI to enhance my knowledge of state-of-the-art AI methods. **Graded:** 16/20

2021-2024

#### ENSC - Cognitive sciences and AI centered Engineering Degree

Specialized in Artificial Intelligence through a Cognitive Science Engineering degree.

### PROJECTS

O7

#### Self-Supervised approach for image classification: SimCLR

[*Preprint*] A down-scaled contrastive learning approach for image classification.

#### Knowledge Graph Generation

[*Report*] Semantic Knowledge Graph Generation using LLM and Deep Learning.

#### Spoken language classification: DeepLanguage

[*Report*] Recognize the language of an audio file using convolutional networks.

### CONTACTS

O1

GITHUB.COM/ZOKOΘ1

LINKEDIN.COM/IN/JOSEPHBEASSE

JBEASSE.PRO@GMAIL.COM

### SKILLS

O2

#### Main stack:

Python

#### Data science:

Pandas, Numpy, Scikit-Learn

#### AI frameworks:

PyTorch, TensorFlow

#### Soft skills:

Organized, Strategic, Curious

### LANGUAGES

O3

French

Native

English (IELTS: 7.5)

C1

Spanish

B2

German

B1

Russian

A2

### CERTIFICATES

O4

IBM - AI fundamentals, deep learning (02.2023)

Google Cloud - Tensorflow (02.2023)

DeepLearning.AI - Tensorflow pro (03.2023)