

SKILLS

- Machine/Deep Learning
 - Clustering
 - o Tabular data
 - Computer Vision
 - Natural Language Processing
 - o Time Series
- Database
 - SQL (SQLite, Server MySQL)
 - o NoSQL (MongoDB)
- Programming language
 - Python (TensorFlow, PyTorch, Scikit-Learn, SciPy)
 - o C/C++

LANGUAGES

• French: Native (French citizenship)

• English : Fluent (Semester in Ireland)

TRAVELS

- China (Beijing, North of China)
- Ireland (Dublin, Belfast, Galway, ...)
- Hungary (Budapest)

ASSOCIATIONS

- Vice-president BDS 2020
- Vice-treasurer Voil'EISTI 2021

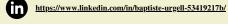
Student associations managing respectively sports and water sports offered by the school

SPORTS

- Team sports:
 - Basket (6 years)
- Individual sports:
 - o Golf, Sailing, Skiing

WORKS





https://github.com/BaptisteUrgell

Baptiste Urgell 23 years

Junior Machine/Deep learning Engineer



With a wealth of experience in data-driven projects thanks to my education, internships and personal activities, I would like to bring my technical and relational skills to your company. The new challenges in the field of data, as well as the technical and technological advances are a source of motivation to me. I am looking for a full time job as a Machine Learning, Computer Vision, NLP Engineer or Data Scientist.

EXPERIENCE -

Machine Learning Engineer

Pau, France

A.P.I Conseil

June 2022 - October 2022

Creation of a reference detection tool in patents to facilitate their validation.

- **References detection:** Development of a training and testing computer vision pipes using YOLOv5 model to achieve reference detection in patent images and documents.
- **References extraction:** Text extraction thanks to PaddleOCR model.

Data Scientist

Bordes, France

April 2022 - October 2022

Safran Helicopter Engines

Creation of monitoring dashboards and daily equipment condition reports for helicopter engine test benches.

- Predictive maintenance: Statistical and Deep Learning approach for anomaly detection on signal produced by measuring instruments. Implementation of wear and tear indicators for measuring instruments.
- **Test bench hypervision:** Implementation of daily reports using Zeppelin and monitoring dashboards using Grafana.

EDUCATION -

CY-Tech (ex EISTI)

Pau, France 2017 - 2022

Master in Computer Science, Artificial Intelligence speciality

• Courses: Machine Learning, Deep Learning, Quantique, (Meta)heuristic optimization, Parallel Computing.

Griffith College

Dublin, Ireland

Master in Big Data Management and Analysis

February 2021 - June 2021

• Courses: Big Data analytics, Parallel and distributed programming, Information retrieval and web search, cloud platforms and applications.

PROJECTS

Personality Chatbot (Natural Language Processing)

• Developed a conversational Chatbot with Homer Simpson personality. Research on the best preprocessing strategy applies to fine-tune GPT-2 model.

Competition IA PAU 1ST Place

February 2022

February 2022

- Training YOLOv5 model to achieve trashes detection on rivers video.
- Developed a python application using Streamlit to integrate the model.

Cryptocurrency course (Time Series Forecasting)

In progress

• Research on best labelisation strategy for cryptocurrency course. Using an image transformation on time series and training a Transformer model for classification tasks.