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Amfreville-la-Mi-Voie, 76920, France

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**.

SKILLS

- **Machine/Deep Learning**
  - Clustering
  - Tabular data
  - Computer Vision
  - Natural Language Processing
  - Time Series

- **Database**
  - SQL (SQLite, Server MySQL)
  - NoSQL (MongoDB)

- **Programming language**
  - Python (TensorFlow, PyTorch, Scikit-Learn, SciPy)
  - C/C++

LANGUAGES

- French : Native (French citizenship)
- **English** : Fluent (Semester in Ireland)

TRAVELS

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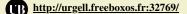- Hungary (Budapest)

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:
  - Golf, Sailing, Skiing

WORKS

- http://urgell.freeboxos.fr:32769/
- https://www.linkedin.com/in/baptiste-urgell-53419217b/
- https://github.com/BaptisteUrgell

EXPERIENCE

Machine Learning Engineer
Pau, France
June 2022 - October 2022

A.P.I Conseil

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
February 2021 - June 2021

Master in Big Data Management and Analysis

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

PROJECTS

http://urgell.freeboxos.fr:32769/

Personality Chatbot (Natural Language Processing)
February 2022

- 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

- 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.