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## Skills



### Machine Learning

Tensorflow

PySpark

PyTorch

Scikit-Learn



### Exploration & Visualization

OpenCV

Scikit-Image

PowerBI

Tableau

Numpy

Pandas

Plotly

Matplotlib

### </> Programming Languages

Python

SQL

Java

LaTeX

C/C++



### Tools

Kafka

Docker

SQLServer

Azure

GCP



### Non-technical

Teamwork

Rigor

Curiosity

Reliability

Adaptability

Writing

Communication

## Languages

French : Bilingual - English : C2 (BULATS)

Spanish : A2 - Japanese : Basics

## Hobbies



Bodybuilding

Reading

Traveling

Photography

# Clément DELTEIL

Computer Science Engineering Student

Looking for a final year internship - September 2023 - 6 months

## Professional experiences

### Teaching Assistant - Part time

Feb. - Apr. 2023

Correction of bachelors exams in computer science.

Corrected courses : Algorithms &amp; Machine Learning for Data Science.

📍 Canada

🏢 UQAC

### Technical Writer - Freelance

Jan. 2023 - Present

Review of scientific papers, computer science popularization, data scraping &amp; visualization, deep learning, machine learning, natural language processing.

📍 World

🏢 Medium

### Engineer Assistant - Internship

Sep. 2021 - Feb. 2022

Supporting researchers and PhD students in their Human Computer Interaction projects. NLP, Machine Learning, Data Analysis, OCR, Plagiarism Detection, Sentiment Analysis.

📍 Slovenia

🏢 HICUP lab

## Projects

### Image and sound generation via DCGAN

2023

- Implementation of a GAN & a DCGAN for generating audio and images from Kaggle datasets.

➤ Tensorflow - Numpy - OpenCV - Colab - PyTorch



### Multimodal recommendation system

2023

- Personalized real-time news recommendations using online reinforcement learning (Q Learning).

➤ Azure Cosmos / Automation - FastAPI - PyTorch - Numpy - SQL



### Large-scale sentiment analysis of tweets

2022

- Comparison of algorithms on the Sentiment140 dataset in a Google Cloud cluster. Implemented an ETL process by connecting the best model to the Twitter API and Kafka for real-time analysis.

➤ PySpark - Docker - Kafka - Spark Streaming - GCP - Scikit-Learn



### Prediction of solar panel production

2022

- SCRUM project in a team of 5 in start-up mode over a period of 6 months covering all aspects of project management and deployment of an artificial intelligence based solution.

- Model trained on open data and then deployed online by connecting it to different weather APIs.

➤ Django - Jupyter - Scikit-Learn - XGBoost - CatBoost



## Education

### Master in Computer Science (Professional)

2022 - 2024

University of Québec at Chicoutimi - Canada

Double degree - Specialization in AI - CGPA = 4.2/4.3



### Study Abroad Semester - Slovenia

2020 - 2020

Univerza na Primorskem - FAMNIT

Computer Science and Math courses in English



### Computer Science Engineer - Data Science

2018 - 2024

University of Technology of Belfort-Montbéliard - France

Multidisciplinary curriculum in 5 years - Last GPA = 98/100

