



✉ arnaud.dalie44@gmail.com

🏠 Paris

🇫🇷 French

🚗 Personal vehicle

📍 Paris Area / Remote

☎ +33777326621

Languages

French

Mother tongue

English

TOEIC 910

Spanish

Mid level

Technical Skills

Development

Python expertise

Bash

Cloud development

Machine Learning

SKLearn

Tensorflow

Pytorch

HuggingFace

Acceleration libraries and methods

Systems

Unix

Docker

Git

Gitlab CI

Interests

Sport : Handball Running

Gym

Competitive practice of Handball for 10 years

Travel

I'm coming back from a 4 month solo travel in South America

Sciences

Interest in fresh publications about deep learning and computer sciences

Arnaud DALIE

Data Scientist / ML engineer

Currently working at Dassault Systèmes on NLP related software, I'm looking for new challenges to keep improving my Data Science skills and increase my level of responsibility

Work experience

Data scientist

Since September 2019 [DASSAULT SYSTEMES](#) Paris

Exploring possibilities offered by Generative LLMs doing internal POC

- Hosting and serving big models like LLAMA or T5
- Building retrieval agents with langchain and llama index
- Using prompt engineering and adaptation techniques to mimic finetuning of LLMs

Worked for 6 month in a customer facing context with a big industrial company to POC Dassault Systèmes capabilities

- I endorsed the role of Data Science expert in the 6 people technical team
- I developed a Python script to clean, aggregate and cluster customer's data
- We secured a 8 figures deal for DS

Responsible of a cloud based software using NLP embedding to extract insights on large scale multimodal corpus.

Above expected results for three years in a row

- Development : Python stack, using Test Driven development. Git Versioning. Scripting, Asynchronous development
- Testing, Build, Deploy using GitlabCI. Cloud deployment is made using internal tools and bash scripting
- Intern management
- Participation in technical and functional definition meetings

Data Scientist intern

From February 2019 to August 2019 [DASSAULT SYSTEMES](#) Paris

Benchmark of front ML libraries for an analytic dashboard use case

- Time/Space Analysis of several clustering algorithm
- Benchmarked libraries and advanced JavaScript features : ML.js, tensorflow.js, WebAssembly, WebWorkers

Full Stack intern

From September 2017 to February 2018 [Selectively](#) Paris

Development of critical features in a startup building a job board platform

- Front dev with React / Redux
- Database queries using Sequelize and Robo3T (Mongo)
- Back using Node.js / express.js
- Mac OS env, Git versionning, Scrum organization

Education

Master of Science (engineering degree)

From September 2014 to June 2019

[Université de Technologie de Compiègne](#) Compiègne, France

5 years engineer cycle

- Scientific base (2 years) : Linear algebra, calculus, basis in physics and mechanics
- Computer Science specification (2 years) : Data structures, algorithm, general algebra, data Bases, Object oriented programming
- Data Mining and Data Science advanced specification (1 year) : Basic Data Ingestion (ETL), Data analysis (PCA, Hierarchical clustering), Data Warehouses and Map Reduce concepts, advanced statistics

Semester abroad

From September 2018 to January 2019 [Université Laval](#) Québec

6 month session with advanced courses

- NLP introduction (PhD level)
- Deep Learning Introduction (PhD level)
- Project about sound samples classification