



MATHIS GROSPERRIN

DATA & AI ENGINEER

PROFESSIONAL PROFILE

Currently looking for a new challenge, I'd like to strengthen my technical and scientific knowledge to complement my data processing and artificial intelligence skills by developing my competencies to work in several energy-related fields.

HARD SKILLS

- Programming (Python)
- Machine Learning & Deep Learning
- Data processing
- Mathematics
- Project management (organization and teamwork)
- Other (Pack Office, ArcGis Pro, GIT, Docker)

Linguistics :

- English, very good level (C1)
- Spanish, good level (B1)

INTERESTS & LEISURES

- Basketball : up to national level and coaching
- Motor sports, skiing, surfing
- New technologies
- Home tutoring in mathematics

Discovering new cultures

- USA (West Coast, New York), Canada, Japan, Russia

CONTACT INFORMATION

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170 Serres Ste Marie FRANCE

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Born on 26/07/2000

Driver's license (B)

COMPANY EXPERIENCES

Data Scientist & Business Analyst

TotalEnergies Pau (September 2023, ongoing)

- Development of an application for metal resources prediction in deep groundwaters by ML/AI
- Compilation of global maps, geochemical, geothermal and petrophysical data for predictive models
- Training courses given on the digital tool
- Prospect resource evaluations
- Development of an interactive PowerBI dashboard

Analytical Data Engineer

SAFRAN HELICOPTER ENGINES (Sept 2022 - Sept 2023)

- ETL design and development of an NLP-based helicopter troubleshooting application
- Complete project management for the troubleshooting application
- Development of a recovery system based on engine performance data
- ETL performance reporting with Power BI

Data Scientist & Operational Research

CGI Montreal Canada (April-August 2022)

- Designed a pipeline of distance/time matrixes with calculation and geocoding APIs (Bing, Google) in OOP
- Performance reporting, unit testing and integration of the solution into Google OR-Tools
- Customer service time prediction
- Agile methodology based on Azure cloud architecture

FORMATION

CY Tech (ex EISTI, Pau)

Engineering School in Mathematics and Computer Science, 2018-2023

Common core in mathematics and a final-year specialization in computer science, artificial intelligence option

Community life : member of the CY Tech sports office (communications manager and sports event organizer)

PROJECTS

AI & Data Science

Data Challenges

- Winner in 2022 on matching candidates and companies
- Finalist in 2023 on automated lithology analysis (TotalEnergies)
- Design of a ML algorithm for the Pau's basketball team

Personal works

E-Learning

- Investments : Stock market / Real estate
- Video game design: Unreal Engine
- Music composition: FL Studio
- Scripting: creation of bots for task automation
- 3D Animation/Design: Blender, After Effects, Canva, Paint3D