🔗 joelhamilcaro.com

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○ Joel-Hamilcaro

in joel-hamilcaro

Skills

Machine Learning
Deep Learning, NLP,
Reinforcement Learning,
Computer Vision

Databases
SQL, NoSQL, Cypher,
Hadoop

Computer Languages
Python, R, Java, C++,
Dart, HTML, CSS,
JavaScript, PHP

Software Tools
Office, UML, LaTeX, Git,
GCP, Linux Shell (Bash)

Languages
- French (Native)
- English (Fluent)
- Spanish (Intermediate)

Sports Academy

French Karate Federation (FFKDA)

Federal Instructor Diploma (DIF)
2024

Black Belt 1st Dan, Shotokan
2014

Joël Hamilcaro
Data Scientist, AI & ML Engineer

Professional Experiences

Data Scientist - Medical & Public Health   Since 2023
Headquarters of "APHP", Paris (Europe's leading university hospital center)
- Monitoring epidemics, hospital capacity
- Medical data analysis, Data visualization
- Dashboard production and automation (R, Python)
- Monitoring of the Paris 2024 Olympic Games
- Deep Learning & NLP: Generating ICD-10 codes from raw texts (medical reports)

Transformer, PyTorch, Tensorflow, GPU Computing, Spacy, Big Data, Spark, Pandas, dplyr, PostgreSQL

Machine Learning & AI Engineer   2022 - 2023
Orange Silicon Valley Challenge, California (USA)
- 2nd prize in the Orange Silicon Valley NLP contest, focused on improving translation tools for 'Low-resource' languages.
- Co-author (article): 2023.loresmt-1.9

GRAT.app
- PyTorch training pipeline, Front-end development, Production and hosting.
- Deployment of a language model: grat.app

PyTorch, FastAPI, React, Google Cloud Platform (GCP)

Data Scientist (Internship)   Apr. - Sep 2022
Safran Aircraft Engines, Villaroche (France)
- Data Science applied to the operational maintenance (MCO) of aircraft engines
- Recommendation letter: engagement-jeunes.com

Python, Optimization, Modeling and simulations

Education

Université Paris-Cité   2020 - 2022
Double Master's in Maths & Computer Science: Data Science
Highest honors in both degrees

Université Paris-Cité   2017 - 2020
Double Bachelor's in Mathematics & Computer Science

Faculty of Medicine Paris 7   2015 - 2017
Initial Medical Studies

French General High School   2014 - 2015
Scientific Baccalaureate Diploma, Mathematics Specialization
Highest honors