

SUMMARY

Data Scientist with experience in developing and implementing artificial intelligence solutions. Proficient in machine learning, deep learning, and generative AI, with a focus on contributing to all stages of a project, from research and prototyping to deployment and ongoing improvement. Committed to delivering effective, data-driven solutions through collaboration and continuous learning.

EXPERIENCE

- AI Engineer (Permanent), Waalaxy

Sep 2024 – Present | Montpellier, France

 - Built a multi-agent system to create personalized LinkedIn messages, contributing to a 35% increase in response rates.
 - Developed a vector-based search engine for prospect identification, utilizing a database of 700 million LinkedIn profiles.
 - Developed pipelines to ensure robust and reliable performance of the models in production.

Tools: Python (LangGraph, Unsloth), Langfuse, MongoDB (Atlas Vector Database), GCP (Vertex AI, BigQuery)
- Data Scientist and Data Engineer (Freelance), AEH

Nov 2022 – Present | Paris, France

 - Designed and deployed machine learning models and generative AI workflows for clients across various industries.
 - Implemented automated systems for data extraction, transformation, and continuous data warehouse maintenance.
 - Improved the reliability and performance of production models for high-traffic services.

Tools: Python (LangChain, PySpark, Scikit-learn, MLflow), Snowflake, Pinecone, GCP (Cloud Run, Vertex AI)
- Data Scientist (Internship), Median Technologies

May 2023 – Oct 2023 | Nice, France

 - Developed a GAN-based model for 3D lung segmentation on CT scans, achieving 96% precision.
 - Improved a tumor detection pipeline, reducing false negatives by 30%.
 - Contributed to a tumor classification system validated by two radiologists to support diagnostic accuracy.

Tools: Python (PyTorch, MONAI, OpenCV), PostgreSQL, Apptainer (ex-Singularity), 3D Slicer
- Data Scientist (Internship), Karmen

Jun 2022 – Sep 2022 | Paris, France

 - Developed a data extraction pipeline for financial documents, reducing manual data entry by 75%.
 - Built and deployed a fraud detection system for tabular data, achieving 82% accuracy.
 - Implemented monitoring for production machine learning models to detect data drift during inference.

Tools: Python (PyTorch, PyTesseract, OpenCV, XGBoost), Snowflake, Grafana, Dataiku
- Machine Learning Engineer (Internship), Digimind Labs

May 2021 – Aug 2021 | Berlin, Germany

 - Developed a synthetic 3D data generator to augment the training dataset.
 - Trained the Pixel2Mesh model for single-view 3D reconstruction tasks.
 - Assisted in deploying models to production, ensuring integration with operational workflows.

Tools: Python (Tensorflow, OpenCV), Blender API, AWS (Amazon S3, AWS SageMaker)

EDUCATION

- Research Master's Degree in Computer Science – Artificial Intelligence and Complex Systems, CY Cergy Paris University / ENSEA / ETIS Laboratory (CNRS)

2022 – 2023 | Cergy, France
- Engineering Degree in Applied Mathematics and Computer Science – Data Science, CY Tech

2020 – 2023 | Cergy, France

SKILLS

Programming Languages: Python, R, SQL, Bash, C

Machine Learning and AI: PyTorch, Scikit-learn, XGBoost, Hugging Face Transformers, LangChain, LangGraph

Monitoring and Versioning: MLflow, Langfuse, Docker, Git, GitHub Actions

Data Engineering: Pandas, Polars, NumPy, SciPy, PySpark, OpenCV, Apache Airflow

Cloud and Deployment: Google Cloud Platform, Kubernetes, FastAPI, Flask

Databases: Snowflake, MySQL, PostgreSQL, MongoDB, Pinecone

LANGUAGES

French: Native

English: Fluent (C1)

Spanish: Beginner