



MAXENCE QUINET

AI / DATA ENGINEER

CONTACT

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- maxence.qnt@outlook.fr
- Villerupt, France.
- [LinkedIn](#) & [Github](#)
- Driving License & Vehicle

SKILLS

- Python, Java, C#, Flask
- Oracle SQL, NoSQL
- Pandas, Numpy, TensorFlow, PyTorch, Apache SPARK
- Linux, Git, Docker, Kubernetes
- CI/CD practices, AWS Cloud, ETL Glue, Power BI
- (Soft Skills) - Teamwork, Problem Solving, Communication, Fast-Learner, Adaptability

CERTIFICATIONS

- AWS Certified Machine Learning Specialty (MLS-C01)
- AWS Certified Solutions Architect – Associate (SAA-C03)
- NVIDIA - Generative AI

LANGUAGES

- French (Native - C2)
- English (Fluent - C1)

INTERESTS

- Sports (Football, Handball)
- Mangas / BD
- Travel
- Mode



PROFILE

Computer Science Engineer specialized in Data and Artificial Intelligence, certified Machine Learning & Data Engineering Specialist by AWS. Experienced in designing and deploying robust and secure AI solutions on cloud and HPC environments (CI/CD, Docker, Kubernetes, AWS), ensuring scalability, reliability, and security.



WORK EXPERIENCES

R&D AI Engineer

2024-2025

University of Luxembourg, Luxembourg

- Implemented large-scale ML algorithms on HPC clusters (SLURM) with focus on data-intensive experiments (12 models, 4 datasets).
- Built modular and reproducible pipelines for scalable data processing with GitHub CI/CD.
- Resolved complex issues during large-scale experiments across 12 models and 4 datasets.



VR Software Developer

2022-2023

FME, Luxembourg

- Developed a VR fire training app in C# with a full end-to-end pipeline from 3D design (Blender) to feature integration.
- Implemented AWS-based authentication and license management with Cognito, DynamoDB and S3 for secure, scalable access.
- Increased client satisfaction from 30% to 90% by delivering a scalable, user-friendly VR solution.



PROJECTS

Generative AI — Diffusion Models with U-Net Architecture 2025

- Developed a generative AI system leveraging CLIP-conditioned diffusion models with U-Net architecture to generate images from text prompts and deployed via Flask web app.

SPARK 2022-2025 SpaceCraft Challenge

2025

- Designed and trained deep learning models for classifying satellite images under strict computational and memory constraints, fine-tuning YOLO models, ranked 3rd internationally.



EDUCATION

Master Computer Science

2023-2025

University of Luxembourg, Luxembourg

Program Including: HPC, ML & DL, Cryptography, Docker & Kubernetes

Bachelor Computer Science

2019-2022

University of Luxembourg, Luxembourg

Program Including: Python, Java, C, C++, Swift, UNIX, Git Tools