Zakaria Laabsi

QUANTUM/ML ENGINEER

NATIONALITY: **French** · DOB: 05/03/1999 · Driving Licence: Category B

Skills

- **Quantum Computing**: Qiskit, OpenQASM, PennyLane framework.
- **Programming**: Python, R, C++, CUDA / Numba / PyCUDA
- **Machine/Deep Learning**: TensorFlow, Pytorch
- **Automation** : Git, Jenkins, Ansible

Work experience

Data Engineer - Supply Chain, Logistics, Sales & AI
Acelys, Nov 2022 - Now, Full-Time

- Optimized workflows through specialized data integration and ETL execution.
- Boosted database efficiency via automation and parallel/concurrent programming.
- Enhanced project output with creative Python 'API requests' package development.
- Demonstrated AI vulnerabilities at a cybersecurity convention using a poisoned CNN model.

BI & Data Engineer Intern
Crédit Agricole Technologies & Services, Mar - Aug 2022

- Developed and deployed ETL/DevOps pipelines on ELK suite for process optimization.
- Executed POCs, framed and prioritized business needs for quality maintenance.
- Consolidated data for analytical purposes and automated weekly reporting.
- Created real-time and analytical dashboards on Kibana to enhance process visibility.

Data Scientist Volunteer
Data for Good, 2021 - 2022

- Contributed to healthcare and environmental ML/DL open-source projects.
- Involved in social inclusion and educational open-source initiatives.

Projects

- **Quantum Descent Gradient** with Qiskit ([/quantum_ml](#))
- **Quantum Computing Cybersecurity** : QSVM for Malware Classification
- **IBM Quantum Explorers program**
- **ElevenLabs AI Hackathon :** AI English Tutor (Generative AI powered app)

Education

2020 - 2022
University & IAE Montpellier
Double Master's Degree in Data Science & Statistics / Risk Management
Master thesis : Simulation of Time-Dependent Covariables via a Weibull Distribution

2019 - 2020
National University Institute Jean-Francois Champollion
Bachelor's Degree in Mathematics
Bachelor thesis : Impartial Combinatorial Game Theory

Personal Summary

I'm Zakaria Laabsi, specialized in machine learning with a keen interest in quantum computing. Backed by a strong foundation in applied mathematics, I've delved into the nexus of ML and quantum tech. Recently, I highlighted "Data Poisoning" at the S3C cybersecurity conference. My goal : **synergizing machine learning with quantum computing's transformative potential.**

Contact information

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- Email: zakaria.laabsi@gmail.com
- Github : zlaabsi
- Porfolio: zlaabsi.github.io
- Mobile : +33 7 82 34 37 85

Languages

- **French: Native**
- **English: Intermediate (B2)**
- **Spanish: Basic (B1)**

Soft Skills

- **Autonomy**
- **Precision & Determination**
- **Emotional Intelligence**
- **Creativity**

Interests

- **Volunteering:** *Data For Good*
- Sports: Hiking, Climbing
- Hackathons, Self-learning