

ENGR. MAURO LORENZO EMANUELE LEIDI

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EDUCATION

École Polytechnique Fédérale de Lausanne

MSc in Data Science, Financial Engineering minor

Sep 2021 - Sep 2023

MSc admission year

Sep 2020 - Jun 2021

Bachelor in Microengineering

Sep 2017 - Jun 2020

TECHNICAL STRENGTHS

Core skills: Data Analysis & Visualization, Deep Learning, Computer Vision,
Cyber Security, Statistical Analysis

Computer Languages: Python, Java, Scala, C++, Assembler, C, SQL

Software & Tools: Pandas, NumPy, PyTorch, Matplotlib, Plotly express, Spark,
Sk-learn

EMPLOYMENT HISTORY

Hawei Munich Research Center

Feb 2021 — Jun 2022

Master Thesis in Huawei's Trustworthy Technology and Engineering Lab

- Enhanced FCW system security and location privacy in Vehicular communications by introducing encryption for safety messages and secure distance computation protocols, with practical real-time implementation, offering valuable insights for connected and autonomous vehicles. Main languages & frameworks used: C++, gRPC, Python, Plotly express.

The Sense Research Center

Sep 2022 — Dec 2022

Semester Project in MatTech Lab

- Medical image processing semester project. Development of an innovative preprocessing of medical data and an image classification model. Multi-modal imaging technique using OCT scans and MAIA imaging. Main languages & frameworks used: Python, PyTorch, NumPy, various image processing libraries.

Junior Software Engineer, Archimethod

Feb 2021 — Jun 2022

Summer internship and part-time work during the semester in a start-up

- Development of an interactive data visualizer and of a simulator used for topographic study of the environment. Main languages & frameworks used: Java, Processing.

AWARDS

HackaTUM winner

Nov 2022

First prize at Huawei's challenge at HackaTUM hackathon.

- Image binary classification task and app design and implementation using gamification strategy.

LANGUAGES & HOBBIES

Languages: Native Italian speaker. Full proficiency in English and French.

Hobbies: Half marathon runner, Climbing 4000m+ mountains, Cooking & fishing