Quentin MOAYEDPOUR

Paris, 75013
+33 6 41 88 49 46 quentinpour@gmail.com Linkedin GitHub

Academic Background

Ecole Normale Supérieur (ENS) Paris Saclay **2024 – 2025**
Msc in Computer Science (Master MVA) - Double Degree with ENSAE, GPA: 4/4 *Orsay, France*
Deep Learning, Computer Vision, Optimization, Generative Models, Large Language Models

ENSAE - Institut Polytechnique de Paris (IPP) **2023 – 2025**
Master of Engineering, *Highest Honours*, GPA: 4/4 *Palaiseau, France*
Statistics, Stochastic Processes, Machine Learning, Probability Theory, Econometrics

Paris 1 Panthéon Sorbonne **2022 – 2023**
Msc in Econometrics, Statistics, *Highest Honour*, Valedictorian *Paris, France*
Econometrics, Statistics, Macroeconomics, Data Analysis, Machine Learning

Experiences

Entrust - Onfido **May 2025 – November 2025**
Research Internship *Paris, France*
- Developed video-based deepfake detection models for biometric authentication systems
- Improved domain generalization to enhance robustness across diverse attack scenarios
- Reduced False Acceptance Rate by 50% with improved generalization, at a lower training and inference cost

U2IS Laboratory - IP Paris **June 2024 – September 2024**
Research Internship *Palaiseau, France*
- Working on time Series Anomaly Detection models (Statistical and Machine Learning-based) under the supervision of M. FRANCHI (ENSTA).
- Applying Time series foundation model for anomaly detection using representation on the latent space of a DNN model
- Adapting Computer-Vision's anomaly detection model to time series (PatchCore, PaDIM, Spade)
- Developping algorithm for Zero-Shot anomaly detection on time series

Thales Services Numériques **April 2023 – September 2023**
Data Scientist Internship *Vélizy-Villacoublay, France*
- Conducted research to develop an automated interface for patient recruitment in clinical trials
- Implemented a data retrieval module for efficient collection of clinical trial information
- Leveraged NLP models (LSTM, BERT, LDA, Feed Forward Neural Network) for keyword extraction, text classification and data conversion into OMOP-CDM data format

Projects

Large Language Models for signal trading | *Python* **2024**
- Analyzed the potential of sentiment extracted from ECB press text—both globally and by sector—as a reliable signal for trading the EuroStoxx50 index
- Developed a full NLP pipeline to scrape, process, and analyze ECB press releases using BERT and GPT-4 for sentiment extraction at both global and sector-specific levels.
- Backtested sentiment-based trading strategies on the EuroStoxx50 index.
- Project as a part of Machine Learning for portfolio management course from S. Champonnois

GAN for financial market data - HSBC | *Python* **2024**
- Applied Statistics Project with *HSBC Asset Management*
- Data Generation using Generative Adversarial Networks Models (DCGan, WCGan TransformerGan)
- Studied the fidelity of GAN-generated time series in capturing core characteristics of financial series

Skills

Programming: Python, SAS, R, SQL, Stata, LaTeX
Technologies/Frameworks: Linux, AWS, Git, VS Code, SSH
Languages: French (native), English C1, German B1
Extra-Scolar: Box, Music (guitar), Football