Léna Oudjman

DATA SCIENTIST | ML SPECIALIST

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I am a curious, pragmatic, and sociable data scientist with a meticulous and responsible approach to problem-solving. Graduating in July 2025, I am actively seeking a full-time opportunity. I am eager to contribute to impactful projects and continue learning in a dynamic environment.

Academics Projects

Automated Stock Trading System
- Builted an AI module to compute key financial indicators (volatility, trend-following, oscillators)
- Collaborated on a sentiment analysis module to enhance predictive model features
- Developed models to forecast stock movements over multiple timeframes
- Designed a rule-based decision engine to maximize profitability and reduce false signals
- Applied the system to real-time data, targeting both French and international markets

Travel Order Resolver (NLP & ML)
- Trained and benchmarked custom SpaCy models (pretrained and blank) on travel-related data.
- Combined models with business rules for improved predictions.
- Achieved 99.8% accuracy with the blank model alone.

Image Classification
- Trained and evaluated supervised models on scanner images (Kaggle)
- Achieved 98% F1-score on 5,000 training samples using accuracy, f1-score, AUC, and confusion matrix analysis.

Experience

Data Scientist Apprenticeship at _BLING_ | 2024-2025
- Developed backend logic to assess clients' eligibility for 0% loans based on their repayment capacity.
- Improved loan acceptance rates while reducing non-repayment risks through detailed evaluation of current business rules .
- Performed data analyses (**statistical tests, correlation, bucketing, backtesting**) to optimize business rules and boost acceptance rates from 41% to 57%.
- Designed an autonomous model by identifying and integrating relevant features (**using feature importance scores, tuning hyperparameters, and validating with importance-based thresholds**) , reducing reliance on manual rules.

Python Dev Apprenticeship at _Centre d'Energie Atomique_ | 2023-2024
- Conducted research within the MIND research team at Neurospin/Inria.
- Benchmarked DL libraries within a unified framework
- Translated a TensorFlow-based DL model into PyTorch for brain MRI reconstruction

Education

Msc Pro _Epitech_ | M1 & M2 in Artificial Intelligence | 2023-2025 **|** Kremlin-Bicêtre
- Project-based pedagogy

University Nice Côte d'Azur | L3 in Science and Technology AI | 2022-2023 | Sophia-Antipolis
- Discovery Course: AI Fields and Their Real-World Applications

University of Paris 1 Panthéon Sorbonne| L1 & L2 in MIASHS | 2020-2022 | Paris
- Mathematics, Statistic & Computer Science applied to Human and Social Sciences

Language skills:
French : native
English : professional

Hard skills:
Python | R | ML | Deep Learning | Statistics | Prompts |
Pack Office | Business Intelligence | Fraud | Credit |
Stock market training

Interests :
2015 : Volunteer work for a charity (AUJF)
Regular blood donation
Homework help for middle school students