LEONARD TSCHORA

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Skilled professional with expertise in **machine learning**, **data science**, and **optimization**. Proficient in **Python**, **PyTorch**, and **Scikit-Learn**. Experienced in **power markets**, developing **predictive models** for strategic decisions. Authored **research articles** and a **Ph.D**. Taught at top universities: **INSA Lyon** and **Ecole Centrale de Lyon**. Fluent in French and English.

Work History

Startup Founder & Data Science Lead, 06/2024 - Current
Genau-AI, Remote

- Co-founded a startup focused on providing electricity price forecasts to customers.
- Lead the design and development of the Minimum Viable Product's architecture.

Machine Learning Engineer & Data Scientist, 03/2019 - 03/2024
ELMY, Lyon

- Modeled electricity prices with ML algorithms and improved prediction accuracy by 46%.
- Devised and deployed predictive models to drive business decisions.
- Maintained a feedback loop with the trading team, continuously refining models based on their input and market performance to enhance accuracy and relevance.

Education

Ph.D. : Computer Sciences,
INSA Lyon & LIRIS CNRS, 01/2024

- Research topic : Electricity Price Forecasting using Machine Learning.
- Leveraged explainable AI, graph Neural Networks, differentiable optimization.
- Published research in international journals and conferences, including the **Journal of Applied Energy**, **Intelligent Data Analysis**, **Data Science and Advanced Analytics**.
- Recipient of **Frontier Prize** for best paper award, IDA2023

Master's Degree in Engineering : Computer Sciences,
INSA Rouen, 02/2019

- Study Abroad: Artificial Intelligence - **The University of Queensland**, Brisbane, 2018
- Research Internship, **Merck**, Completed 2018

Skills

- Adaptability and Resilience
- Data-driven decision-making
- Efficient Prioritization
- Effective Communication

- Problem-Solving
- Thorough
- SQL
- Julia

- Python
- PyTorch
- Tensorflow
- Scikit-Learn

Portfolio

Website : leonardtschora.github.io
Github : leonardtschora

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Google ScholarLéonard Tschora