Nathan Pizzetta

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Professional Experience

Data Scientist/Engineer - Apprenticeship Sep 2024 - Present
Ecologie Logistique, Paris

Finalists of Google & Think Young Hackaton Jun 2024 - Sep 2024
AI powered tool against misinformation
TSE Junior Etudes, Paris

- Developed an NLP tool called "Verichat" to fact-check information and provide insights on members of the European Parliament.
- Got a partnership with AFP (Agence France Presse) to get access to their APIs.
- Presented our solution at Google's headquarters in Paris.

Machine Learning model for Churn Prediction Apr 2024 - Jun 2024
TSE Junior Etudes, Toulouse

- Developed a XGBoost predictive model to identify customer churn.
- Implemented a full pipeline in Python for production (Sklearn and custom-built classes).
- Worked jointly with the ADDEV Materials team.

Data Scientist - Internship May 2022 - Jul 2022
Ecologie Logistique, Paris

Database Conversion Application

- Created a Python application for converting and concatenating Access databases to CSV format.
- Deployed the application on the Streamlit platform.

Web Scraping and Data Retrieval Scripts

- Designed and implemented web scraping scripts in Python to gather online data.
- Enhanced data collection processes to enable continuous data retrieval.

Foot Traffic Prediction with Cliris Group (AI company)

- Conducted in-depth research to identify the most effective modeling approaches for foot traffic prediction, including Graph Neural Networks (GNN), Convolutional Neural Networks (CNN), and Generative Adversarial Networks (GAN).
- Delivered a comprehensive project presentation to a panel of three AI PhDs, successfully demonstrating the relevance and impact of the proposed methodologies.

Education

Toulouse School of Economics, Toulouse
Master Degree Data Science - Econometrics and Statistics Sep 2023 - Present
Double Bachelor's Degree - Mathematics and Economics Sep 2019 - Jun 2023

Projects

SARIMAX COVID-19 Impact Model on Air Traffic Jan 2022 - Apr 2022

- Built a SARIMAX model in R to study the impact of COVID-19 on European air traffic.
- Supported research with quantitative analysis and predictive modeling.

Technical Skills

Programming Languages: Python, R, LaTeX, Bash
General: Predictive modeling, Statistical analysis, Machine learning, Deep Learning, Web Scraping
Tools: GitHub, VSCode, RStudio, Jupyter

Languages

English: B2 certified TOEFL (91 points)
Spanish: C1 certified DELE
French: Native speaker

Favourite Hobby

Trekking: Passionate about long-distance hiking and exploring mountainous regions.