

Nathan Pizzetta

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Education

Toulouse School of Economics (TSE) - Toulouse

- Master Degree - Data Science for Social Sciences (International Track of Econometrics and Statistics)
- Double Bachelor's Degree - Mathematics and Economics

Sep 2023 - Sep 2025

Sep 2019 - Jun 2023

Key coursework:

Machine and Deep Learning, Big Data, Advanced Statistics, High Dimensional Data Analysis

Professional Experience

AI Consultant and Data Scientist (CDI) - AVISIA, Paris

Oct 2025 – Present

- Developed an AI-powered task automation tool for a major home improvement and design retail group.
- Designed and implemented full-stack architecture on Google Cloud Platform (GCP) for web and mobile applications, delivering scalable solutions to optimize operational workflows.

Consultant Data Scientist (Internship) - AVISIA, Paris

Apr 2025 – Oct 2025

- Developed a predictive model to assess the 3-year potential of existing clients in a multinational insurance company.
- Tested the implementation of an MCP Agent using n8n for request orchestration and processing.
- Worked on a Python plugin for Dataiku enabling SAS code migration to SQL and Python.

Finalists of Google & Think Young Hackaton - TSE Junior Enterprise, Paris

Jun 2024 - Sep 2024

AI powered tool against misinformation

- 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.

Data Scientist (Internship) - Ecologie Logistique, Paris

May 2024 - Aug 2024

- 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.

Consultant Data Scientist (Mission) - TSE Junior Enterprise, Toulouse

Apr 2024 - Jun 2024

- Developed a XGBoost predictive model to identify customer churn.
- Implemented a full pipeline in Python for production (Sklearn and custom-built classes).

Projects

GenAI - Image generation with Diffusion model

Computer Vision - Object Detection using YOLOv8 model

Technical Skills

Programming Languages: Python, R, L^AT_EX, Bash

General: Predictive modeling, Statistical analysis, Machine learning, Deep Learning, Web Scraping

Languages

French: Native **English:** B2 TOEFL (91) **Spanish:** C1 DELE

Favourite Hobby

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