Etienne Boisseau

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PERSONAL INTERESTS

- **Jazz and Music Composition**
- **Cofounder of Tuxae**, ENSAE's IT and Machine Learning student society
- **Portrait photography**
- **Martial arts:** Krav Maga, Jiu Jitsu
- **Go** (board game)

LANGUAGES

French	Native
English	Bilingual
German	Fluent
Vietnamese, Mandarin, Khmer, Tagalog, Spanish	Basic Knowledge

IT SKILLS

- **Python:** Main work tool for more than 5 years. Experience building robust industrial projects
- **LLMs:** Langchain, Prompt Engineering, Retrieval-Augmented Generation (RAG)
- **Deep Learning (Pytorch, Tensorflow):** Natural Language Processing, Computer Vision, Time Series, Point Clouds
- **Machine Learning:** Extensive experience with a wide range of models and libraries
- **Optimization:** Linear, Convex, Mixed Integer, Combinatorial
- **Software Engineering Stack:** Docker, Git, Linux, Cloud (GCP, Azure, AWS)

EXPERIENCE

See my Project Portfolio for more.

Neural Network Optimization
Sahar (Paris)   July 2022 - December 2022

Used neural network compression, data flow and idle time optimization to drive an 85% reduction in the cost of running large NLP models on a cloud infrastructure.

Quantization | Distillation | TensorRT

Incident Detection in Logistics
Vignoblexport (Orléans)   September 2022 - November 2022

Built an incident detection system to achieve reliable and useful alerting given highly noisy input data.

Data Quality | Data Engineering

Data/AI Coach
Datarockstars (Paris)   April 2022 - August 2022

Created and taught a 3-month Data Science training course. We achieved a 100% success rate at the state examination.

Teaching | Data Communication | Data Science Outreach

NLP Research Scientist
Accenture (Paris)   July 2021 - December 2021

Knowledge Graphs | Information Extraction

Data Scientist
Sahar (Paris)   June 2020 - October 2020

Graph Analysis | Generative AI | Transformers

Financial Risk Analyst
TotalEnergies (London)   March 2019 - August 2019

Data Management | Deep Learning | Price Prediction

Data Scientist
Kayrros (Paris)   September 2018 - February 2019

Remote Sensing | Energy Markets | Time Series

EDUCATION

MVA (Mathematics, Vision, Learning): Master's Degree in **Artificial Intelligence**
ENS Paris Saclay (France)   September 2020 - June 2021

Master's degree in **Statistics, Economics and Data Science**
ENSAE Paris (France)   September 2019 - June 2021

Master's degree in **Management**
ESCP (Germany, UK, France)   September 2016 - June 2018

Bachelor's and Master 1 in **Mathematics**
Sorbonne University (France)   September 2016 - June 2018