

Mattis Megevand

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EXPERIENCE

Data Scientist

Oct. 2024 – Present

Odoo

Louvain-la-Neuve, Belgium

- Migrated data analysis workflows from Tableau to Odoo, streamlining reporting and cutting turnaround time
- Performed sales trend analysis supporting group-level budget planning

Software Engineer

Oct. 2023 – Oct. 2024

Odoo

Ramillies, Belgium

- Resolved critical software bugs across multiple Odoo modules, improving stability and usability
- Developed proofs of concept, including a RAG-based chatbot, a document similarity tool, and a text-to-SQL assistant for natural language database queries

Research Intern

Feb. 2023 – Aug. 2023

Thales

Gennevilliers, France

- Developed a novel neural network compression method unifying quantization, pruning, and low-rank approximation
- Achieved state-of-the-art compression for LeNet-5 on MNIST, reducing compute to 0.78% of baseline BOPs while slightly improving accuracy
- **Patent:** Neural network compression method (WO2025051862A1)

Research Intern

Jan. 2022 – Jun. 2022

Grenoble Informatics Laboratory

Grenoble, France

- Engineered an audio data augmentation tool, improving speech recognition accuracy by 2%

EDUCATION

ENSIMAG

Grenoble, France

M.Sc. in Informatics – High honors

2021 – 2023

Grenoble Alpes University

Grenoble, France

B.Sc. in Computer Science – Honors

2018 – 2021

PROJECTS

sqlgbm

- SQL-based inference for Gradient Boosting Models
- Enables in-database model deployment without external dependencies

invertornot.com

- Built a custom dataset via large-scale web scraping
- Finetuned and deployed EfficientNet for dark-mode image inversion
- Deployed and scaled API handling 25,000+ images per day, adopted by external users such as gwern.net

AI/ML Exercises

- Implemented core deep learning models (GAN, VAE, SRGAN) and solved algorithmic challenges (Advent of Code, Cryptopals)

Open Source

- Contributed to tinygrad by adding learning rate schedulers

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript

ML/AI: PyTorch, Huggingface, scikit-learn, NumPy, wandb

Data Analysis: pandas, Polars, Matplotlib, Seaborn, Tableau

Tools: Git, Docker, Linux, Vim