

CORENTIN PERDRIZET

ARTIFICIAL INTELLIGENCE ENGINEER / DATA-SCIENTIST

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SUMMARY

French Computer Science Engineer freshly graduated specialized in artificial intelligence, driven by a results-oriented approach and a genuine passion for the field. With hands-on experience developing multiple AI and data science projects across machine learning, deep learning, computer vision, and natural language processing.

TECHNICAL SKILLS

AI / Data-Science : Machine Learning, Deep Learning, Reinforcement Learning, Fine-Tuning
Computer Vision (CNN, U-net, Yolo), Natural Language Processing (LLM, RAG, Transformers, RNN)
Tools : Python, Tensorflow, PyTorch, C, C++, Java, SQL, JavaScript, TypeScript, LaTeX, Git, Docker

PROFESSIONAL EXPERIENCE

Data Science & AI Intern – Thales, Singapore

May 2025 - Nov 2025

Singaporean Civil Defense Optimization

- Developed an AI-driven modular optimization solution for emergency services, including response time prediction models and optimal resource allocation methods (fixed stations, mobile patrols) based on operational and public datasets.
- Conducted exploratory and explanatory data-science analyses to understand the spatio-temporal dynamics of incidents, identify key influencing factors, and provide data-driven decision support insights.

AI Intern - Technische Universität Berlin, Germany

Jul 2024 - Sep 2024

Low Earth Orbit Satellites AI models deployment

- Developed image recognition AI models for deployment onboard low-Earth orbit satellites, enabling real-time forest fire detection from space.
- Adapted deep learning architectures to run under extreme hardware constraints, ensuring robustness in orbital conditions despite limited memory and lack of thermal convection in space.

EDUCATION

Engineer School in Computer Science Specialized in Artificial Intelligence

Sep 2022 - Oct 2025

ENSEIRB-Matméca, Bordeaux Graduate School of Engineering, Bordeaux, France

Grade : Top 5%

- Engineer degree in Computer-Science specialized in Artificial Intelligence and Data-Science.
- Sciences: Algorithmics, Programming, Artificial Intelligence, Data-Science, Management, Languages
- Completed multiple academic AI projects covering computer vision, deep learning, NLP, and reinforcement learning. Developed and optimized models for Alzheimer detection from MRI, object recognition, text generation with Transformers, and autonomous agents such as Go-playing AI and robot movement optimization through reinforcement learning.

Preparatory class - MPSI (Mathematics, Physics and Engineering Sciences)

Sep 2020 - Jul 2022

Prépa Lycée Camille-Jullian, Bordeaux, France

Ranked 1st out of 35 in Mathematics

- Highly selective and intensive two-year undergraduate program in advanced mathematics, physics, and engineering sciences, preparing for the national entrance exams to top French engineering schools.

ADDITIONAL INFORMATION

- **Languages:** French (Native), English (Fluent), German and Spanish (School level)
- **Other work experience :** Private Tutor (Maths & Physics), Kitchen assistant in restaurants, Sales assistant in a campsite, Pizzaiolo, Dishwasher, McDonald's polyvalent employee, Town Hall employee
- **Extra-Curricular activities:** Traveling, Sports, Hiking