



EWAN MENAHEZE

Final-year internship · Computer vision and AI

PROFILE

Final-year engineering student at ISEN Nantes, specialising in artificial intelligence. I am looking for a **6-month end-of-studies internship starting in April 2027** in computer vision or AI, ideally followed by an industrial PhD (CIFRE).

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- Nantes, France
- Driving licence (B)

EDUCATION

2024 – 2027
Engineering degree, ISEN Nantes
Master's level, major in AI

2021 – 2024
Preparatory classes
ISEN Toulon

SKILLS

Deep learning

PyTorch · TensorFlow / Keras ·
CNN · transfer learning

Computer vision

OpenCV · YOLOv8 ·
multi-object tracking · MediaPipe

Data

NumPy · pandas · scikit-learn ·
SQL · R

Programming

Python · C++ · C · Java · JavaScript

Tools

Git · Google Colab · Kaggle ·
ONNX · Roboflow

Embedded

Arduino · BeagleBone · FPGA

LANGUAGES

French: native

English: C1, worked in English

INTERESTS

Chess · Tennis · Hackathons

PROFESSIONAL EXPERIENCE

- Research internship in deep learning** 2026
ISR, University of Coimbra (Portugal) · 4 months
Detecting, naming and locating lesions in capsule endoscopy videos.
 - End-to-end video pipeline in **PyTorch**, with EfficientNet, MobileNet and Grad-CAM.
 - On unseen patients: **71% of lesions found, 64 of 67** placed in the right region.
 - Individual project, from raw data to evaluation.

ACADEMIC PROJECTS

- Assessing a person's cooperation for face recognition** 2026
First-year master's project, ISEN Nantes · 3 months, in a pair
 - Tracking and re-identifying people in video (**YOLOv8, InsightFace**).
 - Gait, face and gaze analysis, **in real time on a CPU**.
- Maritime traffic analysis (AIS data)** 2025
Big Data, AI and Web project, ISEN Nantes
 - Trajectory clustering and vessel-type prediction, presented in a web application.

PERSONAL PROJECTS AND AWARDS

- Poker assistant with embedded vision** 2025
Personal project · Edge AI
 - YOLOv8 Nano** recognises the cards; on a **BeagleBone**, a Python program recommends the best decision.
- Euro-Information coding contest** OCT. 2025
 - 2nd out of 307** entrants, **1st in C++**.