Hugo Tenthorey

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Summary

Final-year engineering student at ENSTA – *Institut Polytechnique de Paris*, specializing in Observation Systems and Artificial Intelligence. I have developed strong problem-solving skills through academic projects, hands-on experience, and a deep intellectual curiosity. I thrive in collaborative team environments and consistently deliver work on time. My communication skills have been strengthened by international experiences — including expatriation and language immersion — which have helped me grow more confident and assertive in multicultural settings.

Education

ENSTA - Polytechnic Institute of Paris, MSc in Engineering   2023 – 2026
- Specializing in Observation Systems and Artificial Intelligence - 3.2 GPA
- Coursework: Machine Learning, Computer Vision, Computational Theory

Heriot-Watt Dubai, MSc in Artificial Intelligence - *Exchange semester*   Fall 2025
- Coursework: Biologically Inspired Computation, Data Mining, Intelligent Agents and NLP

Lycée Thiers, Preparatory classes - Marseille, France   2021 – 2023
- Two-year intensive undergraduate preparation courses for the entrance exams to top French Engineering schools
- Coursework: Advanced Mathematics, Physics, Computer Science

French Lycée Lyautey - Casablanca, Morocco   2021 – 2023
- Completed my final year of high school earning a French Baccalaureate in Science with highest honor
- This experience provided a solid scientific foundation and enriched me with valuable intercultural insights

Experience

AI Engineering Intern, Cleverlytics – UM6P, Morocco   May 2025 – Aug 2025
- Developed a real-time perception system by fusing LiDAR and camera data for object detection on autonomous mining vehicles, leveraging deep learning and computer vision techniques
- Fine-tuned and integrated multiple detection models into a modular pipeline for real-time deployment in unstructured environments
- Designed algorithms to compute transported volume on moving targets, enabling accurate dynamic measurement for the mining industry

Embedded Systems Intern, RATP Dev - France   Jan 2024 – Feb 2024
- Assisted the head of maintenance for embedded systems in Brest's public transport network
- My responsibilities included maintaining operational support systems, working on electronic circuits, and troubleshooting network issues

Website Developer, AGILI.T   Jan 2018 – Jan 2020
- Developed the company website and managed IT and computer systems

Skills/Technologies

Languages: Python, C, Ocaml, SQL, Matlab

Technologies: PyTorch, CUDA, ROS, Git

Languages

French: Native

English: Full professional proficiency

Leadership

- **Vice President, Junior Enterprise Impact (ENSTA)** – Supported student consulting missions and managed external relations
- **Member, LYCIA Association** – Designed accessible AI workshops for high school students across France

Interests

International Culture and Travel

Sports and Padel Tennis

Community volunteering