

EDGAR DEMEUE

Artificial intelligence graduate student



OBJECTIVE

Master's student in AI (2025–2026), I am seeking a 5–6 month research internship at the **LIRIS laboratory in Lyon**, in the fields of **AI explainability and alignment**. My long-term goal is to continue this research path through a PhD in Japan. Curious, rigorous, and autonomous, with strong **critical thinking** and ability to collaborate in multidisciplinary teams, I aim to contribute to building safe, transparent, and trustworthy AI systems.

CONTACT

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LANGUAGES

- French (native)
- English (professional, C1)
- Japanese (JLPT N3, currently progressing toward N2 – ongoing cultural and language study)

INTERESTS

- AI ethics and safety, explainability research
- Music (guitar, drums, piano)
- Sports (gymnastics, tricking, table tennis)
- Photography, cinematography, visual creation
- Japanese culture

RESEARCH INTERNSHIP IN AI – EXPLAINABILITY & ALIGNMENT

EDUCATION

MASTER'S DEGREE IN ARTIFICIAL INTELLIGENCE (ONGOING) *Claude Bernard University Lyon 1* **2025–2026**

– AI ethics, deep learning, bio-inspired learning, argumentation theory, multi-agent systems, natural language processing, computer vision, data mining, visualization, advanced modeling.

MASTER 1 IN COMPUTER SCIENCE – AI OPTIONS *Claude Bernard University Lyon 1* **2024–2025**

– Supervised and unsupervised machine learning, AI fundamentals, data analysis, complexity, project management, software engineering.

BACHELOR'S DEGREE IN COMPUTER SCIENCE AND MATHEMATICS *Claude Bernard University Lyon 1* **2020–2024**

– Object-oriented programming, web development, databases, logic and functional programming.

ACADEMIC PROJECTS

SOCIAL NETWORK SIMULATION USING LLMs **2024**

– Exploration of the open-source platform *Y Social* to simulate interactions between AI agents using large language models (LLMs). Behavioral analysis, data mining, and social dynamics visualization.

MINI-REPORT: LIMITATIONS OF LLMs **2024**

– Critical analysis of hallucinations, bias, and ethical challenges.

TECHNICAL SKILLS

- Languages: Python, Java, C++
- AI / data: scikit-learn, pandas, numpy, PyTorch, Keras
- Tools: Git, Jupyter, Next.js, REST APIs
- Research: Scientific writing (LaTeX, Overleaf), reproducible research
- Systems: Linux, Windows

PROFESSIONAL EXPERIENCE

FULL-STACK DEVELOPER (INTERNSHIP) *Lianeli, Lyon* **2024**

– React dashboard, Ant Design, Tailwind CSS, Strapi API, UI modularization and optimization.

FRONT DESK ASSISTANT *City Hall – 1st District of Lyon* **Since 2022**

– In-person and phone reception, request management, clear and efficient communication.

ADMINISTRATIVE ASSISTANT *MDPH – Lyon Metropolis* **July 2022**

– Administrative file verification, rigor, and compliance with procedures.

VOLUNTEER RENOVATION PROJECT *Saône-et-Loire* **August 2021**

– Collective manual labor as part of the renovation of a historic manor.

PLANNED RESEARCH INTERNSHIP

5–6 months starting February 2026 at the **LIRIS laboratory in Lyon**, with focus on **AI explainability and alignment**. Long-term goal: a PhD in Japan on the same topics, bridging research and applications.