

MARTIN COUSSEAU

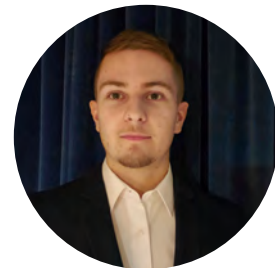
4th Year Computer engineering student
seeking a 5-month AI internship opportunity starting in April 2024.

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EXPERIENCE

LLM AI Research Trainee (Elective Internship)

TALAN Research Center

June - July 2023 (6 weeks) Paris, France

- Applied LLMs in chatbot development, covering model inference, quantization, use of open-source embeddings, chunking strategies, and Azure Web Apps deployment.
- Researched LLMs by studying academic papers, navigating GitHub and Hugging Face repositories.

Technical Support Intern

ATOS

July 2021 (4 weeks) Boulogne-Billancourt, France

- Collaborated with technical support for industrial IT.
- Managed sales administration and stock inventory.
- Integrated PC components and prepared and shipped orders.

PROJECTS

LLMs Compression Evaluation

TALAN Research Center x ESIEA Research Center

Academic Year 2023-2024 (10 weeks)

- After completing my internship, I initiated and directed a project focused on evaluating various compression methods, including Pruning, Quantization, and Distillation, and their impact on large language models (LLMs) such as Llama 2 and Bloom. This initiative led to the establishment of a successful collaboration between two research centers.

Emotional Tutorial System

Collaboration with the ESIEA's research laboratory

Academic Year 2022-2023, Spring Semester

- In collaboration with the ESIEA Research Laboratory (LDR), I participated in a research project aimed at developing a system to analyze students' affective states (frustration, boredom etc.) using a camera and emotional analysis algorithms. My role involved data collection, image pre-processing, and applying facial and emotion recognition models.

Web Content Creation

Personal Project

- 2024 Launch of my personal blog.
- 2019-2020 Small online business, buying items from abroad and selling them via an Instagram account.
- 2013-2017 YouTube video creation, websites creation and articles writing on topics related to the digital world and video games.

EDUCATION

Computer Engineering School, IA/Data, International Program

ESIEA

2020 - 2025 Ivry-sur-Seine, France

Study Abroad Experiences:

- Academic Year 2022-2023, Fall Semester: Centria University of Applied Sciences, Finland
- Academic Year 2021-2022, Fall Semester: Dorset College Dublin, Ireland

SKILLS

AI Machine Learning LLMs
Python R LaTeX Web Front-End
Tableau Docker MacOS Windows
Linux Android ROMs
PC Building

Soft Skills: Research Organizational Skills
Open-Mindedness Versatility

CERTIFICATIONS

Google Cloud Digital Leader

TOOLS

Visual Code JetBrains Git HuggingFace
Virtualization Software Overleaf Notion
Zotero Figma Office 365
Adobe Creative Suite

ACTIVITIES

Fitness (3 yrs) Sports Background (15 yrs)
Music Conservatory - Guitar (10 yrs)
Drone Photography Reading

LANGUAGES

French Native
English Toefc 925/990
Italian Basic Conversational