

Nicolas Foussard

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EDUCATION

INSA Lyon

September 2025 - August 2028

Engineering Degree in Computer Science (Apprenticeship)

Lyon, France

- **Member of INSAIgo:** Participating in different sessions about algorithmics
- **Member of the Proto INSA Club:** Building Autonomous Driving solution on existing vehicle

IUT La Rochelle

September 2022 - August 2025

Bachelor of Science (BSc) in Computer Science

La Rochelle/Niort, France

- **1st year :** followed core curriculum
- **2nd and 3rd years :** followed Data/AI focused curriculum (apprenticeship)

EXPERIENCE

AI/ML Engineer

September 2025 - Present

Alouette.AI

Paris/Niort, France

- Start-up developing AI-powered solutions to assist engineers working on complex engineering systems.
- Designing and implementing **end-to-end AI workflows**, including:
 - * **RAG pipelines** and **LLM/agent-based systems** for knowledge retrieval and automation.
 - * **Multimodal AI** (OCR, VLM) with domain-specific applications.
 - * **Infrastructure and deployment** (cloud/on-prem) with CI/CD, monitoring, and scalability.

Data Engineer / MLOps / Platform Engineer

September 2023 - August 2025

Groupe Covéa (MAAF, MMA, GMF)

Niort, France

- Leading insurance group in France, specializing in property & casualty insurance, health insurance, and asset management.
- 1st year as **Data Engineer** : designing, developing and deploying Data projects on Big Data infrastructure.
- 2nd year as **MLOps/Platform Engineer** : configuring and implementing Microsoft Azure and Databricks platform dedicated to Data Science.

PROGRAMMING CONTESTS & EVENTS

Competitive Programming Contests

Algorithmic, Cybersecurity, Web and others...

- **SWERC:** 107th/141 (2024), 100th/142 (2025)
- **24H de l'Info IUT:** 4th/21 (2023), 8th/32 (2024), 1st/39 (2025)
- **24H du Code:** Two-time winner (2024, 2025)
- **c0d1ngUP:** 3 podiums, **2 victories** (2023–2025)
- **Nuit de l'Info:** Participant (2022, 2023)

Hackathons

Diverse Challenges

- **Hackthon Frugal'IA:** Participant (2025)
- **Startup Weekend Niort:** 1st (2024)

Community Engagement

Volunteering, Organizing, and Representation

- **Nuit de l'Info:** Organizer (2024)
- **Agile Niort:** Volunteer (2024)
- **DevQuest Niort:** Volunteer (2024, 2025)
- **Student Fairs (Niort, La Rochelle, Poitiers):** Student Representative (2023-2025)

Au secours, de la data dans mon projet ! Streamlit à la rescousse...

Presenting Streamlit, a python library

- **DevQuest Niort**, Niort, June 2025
- **Codeurs en Seine**, Rouen, November 2025
- **DevFest Strasbourg**, Strasbourg, November 2025

Sécurisation des LLM, découverte et retour d'expérience

Talking about LLM Security, with Clément Garcin

- **IANA**, La Rochelle, June 2025