

Nicolas Foussard

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EDUCATION

INSA Lyon <i>Engineering Degree in Computer Science (Apprenticeship)</i>	September 2025 - August 2028 Lyon, France
<ul style="list-style-type: none">• Member of INSAlgo: Participating in different sessions about algorithmics• Member of the Proto INSA Club: Building Autonomous Driving solution on existing vehicle	
IUT La Rochelle <i>Bachelor of Science (BSc) in Computer Science</i>	September 2022 - August 2025 La Rochelle/Niort, France
<ul style="list-style-type: none">• 1st year : followed core curriculum• 2nd and 3rd years : followed Data/AI focused curriculum (apprenticeship)	

EXPERIENCE

AI/ML Engineer <i>Alouette.AI</i>	September 2025 - Present Paris/Niort, France
<ul style="list-style-type: none">• Start-up developing AI-powered solutions to assist engineers working on complex engineering systems.• Designing and implementing end-to-end AI workflows, including:<ul style="list-style-type: none">* 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 <i>Groupe Covéa (MAAF, MMA, GMF)</i>	September 2023 - August 2025 Niort, France
<ul style="list-style-type: none">• 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

- **{Tech: Europe} Paris AI Hackathon:** Participant (2026)
- **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, 2025)
- **DevQuest Niort:** Volunteer (2024, 2025)
- **Student Fairs (Niort, La Rochelle, Poitiers):** Student Representative (2023-2025)

TALKS

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