

# Nicolas Foussard

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## EDUCATION

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### 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

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### 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

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### 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)

### **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