ALIX ANNERAUD

21-year old student in computer science at INSA Rouen Normandie.

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👤 ABOUT

*"Currently seeking a **work-study contract** starting in September 2025. I am eager to join a dynamic company to apply my software engineering skills and tackle real-world technical challenges.*

💼 EXPERIENCE

Software engineering intern
Amazon Spain

📅 May – August 2025   📍 Madrid, Spain

Research intern
New York University (NYU)

📅 June – August 2024   📍 New York, USA

Project on Gas Source Localization (GSL) with Mobile and Fixed Sensors:

- Fluid simulations and localization algorithms.
- Signal processing and data analysis in Python.
- Design and development of IoT sensors in C++.

Assistant to the Corporate Relations Department
INSA Rouen Normandie

📅 September 2021 – June 2024   📍 Rouen, France

Versatile assistant role focused on data management, company outreach, student file administration, and alumni surveys for course certification.

Intern on rotor and stator production line
Renault - Cléon factory

📅 June 2022 (1 month)   📍 Cléon, France

💡 PROJECTS

Xila - https://xila.dev

`Rust` `C` - A minimalist and secure operating system for microcontrollers, capable of running WASM applications.

Chef PIC - CHB

`Vue.js` `Django` `NLP` - Project manager in an agile team for the development of a web application dedicated to managing pharmacists' prescriptions at the Centre Henri Becquerel.

Deez'Nalyzer - GitHub

`Vue.js` `Django` `ML` - A web application for generating playlists and classifying tracks by analyzing MP3 files and listening habits using the Deezer API.

Cartographie - GitHub

`C++` `ROS` - Implementation of an evidential mapping algorithm (EOGM) based on Dempster-Shafer theory, optimized for real-time performance.

🎓 EDUCATION

Master's Degree in Computer Engineering
INSA Rouen Normandie

📅 Sept 2021 – 2026   📍 Rouen, France

Scientific baccalaureate (European section)
Jean-Paul II school

📅 2021   📍 Rouen, France

Graduated with distinction.

Cambridge B1 Preliminary
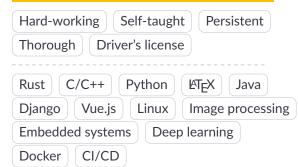
📅 2018

👍 HOBBIES

I.T. & electronics
Passionate about electronics and IT since childhood, I aspire to become an engineer in this field.

Scale modeling
I have been building a model railway with my father.

🛠 STRENGTHS

`Hard-working` `Self-taught` `Persistent` `Thorough` `Driver's license`

`Rust` `C/C++` `Python` `LaTeX` `Java` `Django` `Vue.js` `Linux` `Image processing` `Embedded systems` `Deep learning` `Docker` `CI/CD`

🌐 LANGUAGES

Language	Level
French	**Native**
English	**Fluent (TOEIC : 975 - C1)**
Spanish	**Basic (A2)**
German	**Basic (A2)**