



Rémi AIRIAU

Engineering Student in Computer Science (M1)

Cybersecurity, Machine Learning (ML), Embedded Systems

Availability: From June 2026 for a 3-month internship

SKILLS

Coding Languages

C, Java, Python, R, OCaml,
ARMv7, VHDL, SQL

Software

VSCode, IntelliJ, PyCharm,
Git, Vivado, Wireshark

Engineering

Machine Learning,
Embedded systems,
Cybersecurity,
Computer Network

Languages

French: native
English: B2 level

INTERESTS

Draughts (Checkers)

French Championships

Music

Trumpet, Drums, Piano

Sports

Football, Table Tennis

INFORMATION

Nationality: French

Toulouse, France

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EDUCATION

Engineering Degree - Computer Science and Telecommunications

ENSEEIH, Toulouse, 2025-2027

Architecture, Concurrent Systems, Distributed Systems,
Networks, Telecommunications, Graph Theory

Bachelor's Degree in Computer Science

FSI, Université de Toulouse, 2022-2025

Algorithmics, Architecture, Systems, Cybersecurity, AI, Databases,
Computer Graphics, Signal Processing, Parallelism

General Baccalauréat - With Highest Honors

Lycée Stéphane Hessel, Toulouse, 2019-2022

Spécializations : Computer Science, Physics, Advanced Mathematics

PROFESSIONAL EXPERIENCE



Data Scientist - Internship

Toulouse - January 2025 - June 2025

Development of an application in R using reinforcement learning algorithms to study bee behavior for the Centre for Integrative Biology of Toulouse. A research paper was written.

PERSONAL AND ACADEMIC PROJECTS

Cryptographic Vulnerability Analysis - C

Implementation of frequency analysis and dictionary attack methods for encryption key cracking.

Sports Prediction Models using Machine Learning - Python

Classification Trees, Clustering, Neural Networks with voting system (pandas, tensorflow / keras, scikit-learn).

High-Performance Chess Engine - Java

Optimization of move generation for AI (bitboards, bitwise operations). Graphical Interface, engine-interface communication (UCI protocole).

Deep Learning for Image Recognition - Java

Design and training of neural networks.

