

Aurel Hamon

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Summary — I am studying at the ENS Rennes, in first year of the Sciences of Informatics master degree. I am currently looking for a research internship in a computer sciences laboratory.

Education

ENS Rennes, France **September 2024 - Present**
Research Master in Computer Science - Sciences of Informatics

University of Nantes, France **September 2021 - July 2024**
Bachelor in Computer Sciences

Clemenceau Highschool, Nantes, France **September 2020 - June 2021**
Preparatory Class - Physic, Chemistry, Engineering Sciences

Internship

Inria - Irisa, Magellan team, Rennes, France **September 2024 – Present**
Research Internship - Web rendering on extremely constrained device

- * Development of different scenarios of simplified client - server architectures in C
- * Bibliography work and set up of experimental protocols to test proposed architectures

LS2N, DUKe team, Nantes, France **April 2024 – June 2024**
Research Engineering - Implementation of a method to optimize color affectation in categorical data visualization

- * Implementation of a genetic optimization method over permutation in javascript
- * Creation a package to optimize color affectation to the streamchart data categories (using above method)

Study Project

Nachos Completion **October - December 2024**
Completing code of a small OS Kernel, done in the Advanced Operating System teaching unit

Exact Resolution of Knapsack problem **February - April 2024**
Work over different algorithm solving knapsack problem, done in the Operational Research teaching unit

Quadtree for image compression **October - December 2023**
Algorithm for image compression using quadtree (in Java), done in the Algorithm and Data Structures teaching unit

Personal computing project

Global Game Jam **January 2025**
Developing a small game for the global game jam using Godot 4.3 game engine

- * Signal exchanges between game's component
- * Development of a very simple in-game enemy AI

Petal Generation **2023**
Generate geometrical shape alike flower petal, using Processing v4

Languages

French **Native**

English **B2-C1**

Skills

Development Languages

- * C/C++
- * Java
- * SQL
- * OCaml
- * Bash
- * Javascript
- * Python / Julia

Formal Tools

- * Coq - Proof Assistant
- * Nusmv - Model checking

Other Tools

- * Git
- * LaTeX
- * Processing
- * Arduino

Other Activities

Climbing

Block and path climbing, path opening

Theater and Singing

Member of the ENS Musical

Role Play Game

Game master, scenario writing, world-building

Handiwork

House or farm buildings renovation - construction

Sailing

Windsurfing and catamaran