

Léo FILOCHE

4th year student in computer science
(M1: ESIR – Université de Rennes, France)
looking for a summer internship
(June - September 2023)

Education

2021 → 2024

Engineering degree in computer science
(MSc degree eq)

Courses in CS and SW engineering at [ESIR](#),
Université de Rennes.

2019 → 2021

Bachelor of Computer Science

General training in CS at Université de Rennes 1
([ISTIC](#)) – Years 1 & 2

Languages

French (Native speaker) **Spanish** (B1 level)

English (B2 level : TOEIC ~ 860, [CLES](#))

Technical skills

OOP (**Java**, **C++**), Imperative (**Python**, **Bash**),

Functional (**Scala**), Relational (**SQL**),

Containerization (**Docker**),

Version control (**Git** : [GitHub](#)/[Gitlab](#)),

AI basics (Python : **Scikit-learn**, **Pandas**),

WEB (**HTML5**, **CSS**, **JavaScript**, **Angular**, **NestJS**)

Events

Paris (Orange Gardens) *December 13th, 2022*

Orange-Nokia Challenge ~ 5 person team

Finalists of this innovation challenge. The edition's
theme was on Digital technologies for Inclusion.

Rennes (PNRB) *November 17th, 2022*

Break the code (Sopra Steria) ~ 3 person team

Programming & algorithmic exercises for 1h30.

Rennes *March 29th, 2018*

Model United Nations (RILMUN)

Simulation of an ambassador's role, using debate
and vote to solve a hypothetical crisis.

Professional Experience

[IRISA](#) Rennes

Summer 2022 – 2 months

Internship in a research laboratory

Participation to the development of an opensource
[webapp](#) of exam sheet correction ([GitHub](#)).
Several missions: page of statistics ([Angular](#)), OCR
for MCQ analyze ([OpenCV Python](#)), and creation of
an API to link it to the app ([FastAPI](#) ~ Swagger based).

[Lycée Sévigné](#)

July 2021 – 2 weeks

Administrative assistant

Clerical work for the organization of the high school
diploma: reception, notetaking, archiving...

Noteworthy projects

ESIR

October 2022 → January 2023 – 3 months

While Compiler ~ 3 person team

Creation of a compiler for a basic language called
'while'. Implementation in **Java** of the toolchain's main
phases to generate and run an executable (in **C++**) from
a .while file.

ESIR

January 2023 – 1 month

Microservice based web app ~ 2 person team

Creation of a web app with a backend (**NestJS**) and a
frontend (**Angular**), and division into microservices
with **Docker**. Addition of other microservices such as a
mailing.

ESIR

May 2022 – 1 month

Ant colony simulation ~ Alone

Development of a simplified multi-agent system in **C++**
simulating the behavior of ants emitting pheromones
to help their congeners in their food search.

**If you want to know more about my coding
background, I recommend you to go on my
school-projects [page](#) on GitHub.**

Hobbies

🏀 **Basketball**

For 12 years. In club and university.

Since 2010

🎺 **Trumpet**

Individual courses (9 years) and orchestra (7 years)

2009 → 2018

Personal information

*Do not hesitate to contact me, I would be delighted
to discuss with you !*

📍 [Rennes, France](#)

🚗 Driver's license

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[GitHub](#) [LFLCH](#)

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