

# Samuel ORTION

3rd year Bioinformatics Student

20 years old

*Looking for a Computer Science Internship*



## Contact

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## Interests

■ Ornithology  
& Bioacoustics

■ Biology, -omics  
& Evolution

■ Computer Science  
& Machine Learning

## Liens

samuel.ortion.fr

UncleSamulus

Rosalind

## Skills

C/C++, Python, R, JS, Java,  
SHELL, PHP, OCaml

HTML, CSS,  $\LaTeX$

SQL, MongoDB

GNU/Linux, Docker, QEMU/KVM

Git

UML2

Laboratory Technics

PCR, RT-PCR, Clone

Spectrophotometry

Microrganism culture

Microscopy

Electrophoresis

Photography

Vector Graphics (Inkscape/svg)

Electronics

## Languages

■ French (native)

■ English (B2)

■ German (A2)

## Education

### Bachelor Degrees in Computer Science and Biology 2020-current

Évry – Paris-Saclay University

Courses on genetics, phylogenetics, physiology, biochemistry, microbiology, evolution, vegetal, animal and cell biology for the biology part, and on algorithms, imperative programming (C, Processing), object-oriented programming (Java), functional programming (OCaml), databases (SQL and relational algebra), networks, web development (HTML, CSS, JS), UNIX, scripting languages (Python, AWK) as well as language theory, logic and mathematics (not exhaustive).  
Currently in third year.

### Scientific High School Diploma (Bac S) - Biology and Earth Sciences option - European mention 2017-2020

Lycée Notre-Dame, Le Mans

Baccalaureate with highest honours, with a DNL SVT european mention.  
Research Passport.  
*Olympiades de la Chimie* (1<sup>st</sup> in departemental contest (Sarthe)).

## Experiences

### Computer Science Internship January 2022

Natural-Solutions

A one-week internship in the Natural-Solutions web development agence, based in Marseille.

Contributed to the development of an artificial intelligence involved in automatic nocturnal bird flight call detection and identification for the NBM Challenge.

### Bird ringing session August 2019

ENS de la prée d'amont

Volunteer to help passerines ringing. Net installation, bird identification and ringing.

## Hobbies

■ Bird watching

■ Bat recording

■ Wildlife Photography

■ April Photo processing

■ Software development

■ SysAdmin GNU/Linux

■ **Liness Linux User Group**

■ Contributions to Bioinfo-fr