

Samuel Ortion

Bioinformatics student

20 years old

Contact

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61 Bd. de L'Yerres
91000 Évry - Courcouronnes

Interests

- Ornithology
- Bioacoustics
- Biology
- Evolution
- Computer Science
- Machine learning

Internship at Pasteur Institute

Links

samuel.ortion.fr
sortion (📷, 📺, 📢)

Skills

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

HTML, CSS, Lua^LA^TE^X

SQL

GNU/Linux, Docker

Git

UML2

PCR, RT-PCR, Clone

Spectrophotometry

Microorganism culture

Microscopy

Electrophoresis

Languages

- French (native)
- English (B2, TOEIC Score 870)
- German (A2)

Education

Double bachelor degree in Biology and Computer Science 2020-
Évry – Paris-Saclay University, France

- Introduction to computational biology through little projects along the cursus;
- Participation to the Digital for Genomics Hackathon 2023 edition.

High School Diploma in Science (Bac S) - Biology and Earth Sciences major - English European Mention 2017-2020

- Lycée Notre-Dame, Le Mans, France
- Baccalaureate with highest honours, with a DNL SVT European mention (biology and earth sciences in English);
- « Research Passport ».
- Olympiades de la Chimie (qualified 1st in departmental contest, Sarthe, 2020).

Work Experiences

Neurosciences Internship May-June 2023

- Centre de Recherche en Neurosciences de Lyon
- Electrophysiological (LFP, respiration and whisking) signals analysis in rats;
- Python scripting for data analysis and visualization.

Computer Science Internship January 2022

- Natural-Solutions
- One-week internship in the Natural-Solutions web development agency, 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.

Activities

- Bird watching, sighting data sharing on crowd sourced database;
- Bat ultrasound recording and analysis (Vigie-Chiro);
- Wildlife Photography;
- Software development & GNU/Linux system administration;
- Liness Linux User Group;
- Contributor to <https://bioinfo-fr.net> blog;
- Bioinformatics learning through problem solving at Rosalind.info.