

Samuel Ortion

Bioinformatics student

20 years old

Contact

@ samuel@ortion.fr
+33 6 21 58 03 48

Appt. B020 Estudines le Parc
61 Bd. de L'Yerres
91000 Évry - Courcouronnes

Interests

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



Looking for a Computational Biology Internship

Links

- samuel.ortion.fr
- framagit.org/sortion
- Samulus.i.n on Rosalind.info

Skills

- C/C++, Rust, Python, R, shell JS, Java, PHP, OCaml...
- HTML, CSS, Lua^LTEX
- SQL
- GNU/Linux, Docker, Slurm
- Git
- UML2
- Basic Laboratory Technics
 - PCR, RT-PCR, Cloning
 - Spectrophotometry
 - Microorganism culture
 - Microscopy
 - Electrophoresis

Languages

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

Education

Master Genomics, Informatics and Mathematics for Health and Environment

2023-present

Université d'Évry val d'Essonne – Université Paris-Saclay

Bachelor's Degree in Computer Science and Biology

2020-2023

Université d'Évry val d'Essonne – Université Paris-Saclay

- Participation to the Digital for Genomics Hackathon 2023 at Évry Genopole with the *DeepContact* Team (Institut Pasteur).
- A bit of bioinformatics with the iGEM 2023 Évry - Paris-Saclay Team.

Work Experiences

Bioinformatics Internship

July-August 2023

Institut Pasteur - Spatial Regulation of Genomes

- Development of a Python script attempting to shortcut the too heavy Hi-C reads mapping (bowtie2) on genomes with numerous repeated sequences, with a rough approximation based on previously annotated repeats positions (RepeatMasker).

Neurosciences Internship

May-July 2023

Lyon Neurosciences Research Center

- Electrophysiological signals analysis in rats (LFP and respiration);
- Signal processing with Python libraries.

Computer Science Intership

January 2022

Natural-Solutions

- Contribution to a deep learning project aiming at automatic detection and identification of nocturnal bird flight calls : NBM Challenge.

Activities

- Bird watching;
- Software development;
- Bat recording (Vigie-Chiro);
- Liness Linux User Group;
- Wildlife Photography;
- Wrote on bioinfo-fr.net blog.