THOMAS GAGNIEU

STUDENT IN BIOINFORMATICS

COORDINATES

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Permis B et véhiculé

SKILLS AND EXPERTISE

- Database management
- SHELL / BASH / R
- Github / GitLab / Jupyter
- Python programming (advanced)
- Analyses / visualization of OMICS data
- Artificial intelligence
- Statistical modeling
- scRNA-seq analyses (advanced)
- Biomolecular, cellular, immunological, biochemical and imaging techniques
- English (B2 level)
- Spanish (B1 level)

INTERESTS AND HOBBIES

- Tennis (regional championship)
- Ski
- Sport at body weight
- Music
- Travel
- Astronomy
- Scientific popularization available on YouTube: Zebroloss

In search of a PhD from September 2026 or January 2027

PROFESSIONAL EXPERIENCES

Intern : Bio-informatics engineer

SBRI - U1208 INSERM : April-August 2025: O. Raineteau

- Analyze the transcriptional consequences of perinatal stress on cortical development.
- Analyze spatial transcriptomics datasets.
- Analyze various single cell or core data overlays (scRNAseq) with the Seurat (R) package.

Intern : R&D/Production Project Manager

GENEL : March 2024 - August 2024: G. Saint-Auret

- Optimize organoid culture protocols for patients with pancreatic cancer
- Develop an in vitro test to predict the efficacy of medical treatments on tumoroids.
- Complete client projects in cosmetology, popularizing the presentation of results.

Intern : Engineer assistant

SBRI - U1208 INSERM : May - Sept 2023: B. Pain

- Analyze, characterize and evaluate the state of induced pluripotent stem cells.
- Perform analyses, bioinformatics treatments,

Sales advisor for student CDI

Cap Tennis Lyon, Lyon 3 : since April 2022

EDUCATION

2024 - 2026

MASTER : Bio-informatics

Academic projects:

- Tools for **predicting** the edibility of bacteria from their nucleotide sequences (LBBE)
- Tools for **simulating** temporal sequences of clinical pathways in the context of optimizing patient monitoring (INRIA)
- Assessment of the realism of phylogenetic simulation methods through **machine learning** (LBBE)

Université Claude Bernard - Lyon 1

2021 - 2024 : double degree

- Bachelor of Science, Technology and Health with mention Science and Technology, Biology and Biotechnology

CNAM

- Bachelor of Engineering Assistant in Biology, Biochemistry and Biotechnology

Higher School of Biology, Biochemistry and Biotechnology (ESTBB)