



# PONT NAOMIE

## POSITION

Bioinformatics Engineer in the Zebrafish Neurogenetics Unit and the Stem Cells and Development Unit at the Pasteur Institute in Paris.

## EDUCATION

- September 2023-  
March 2024      **Master thesis at Flomics, Barcelona, Spain**  
Research project aiming at finding circular RNA biomarkers of cancer and developing a machine learning model for early detection of the disease.  
*Skills: AWS, NGS, AI, scikit-learn, CIRCexplorer2*
- March 2023-  
June 2023      **Internship at the Structural Bioinformatics Laboratory, PRBB, Barcelona, Spain**  
Programming project: prediction of transcription factors binding motifs based on structure homology-modeling.  
*Skills: bash scripting, BLAST, AlphaFold*
- September 2021-  
May 2024      **Master's Degree in Computational Biology at EPFL, Switzerland**  
Main courses:  
Genomics and Bioinformatics, Computational Cell Biology, Single cell biology, Machine learning, Applied Data Analysis, Understanding statistics and experimental design.  
Main Projects:
  - Data Analysis using Python Language
  - Text Classification using Machine Learning Models.
- September 2017-  
June 2021      **Bachelor in Life Sciences Engineering at EPFL, Switzerland**  
Main Projects:
  - Four-month C++ project: Simulation of mice evolution in their environment.
  - Complete report about Coronavirus infection and modeling of its proteins.
- September 2020-  
June 2021      **Instituto Superior Tecnico, Lisbon**  
Erasmus year in Biomedical field.
- 2014-2017      **Scientific 'Baccalauréat', Grenoble, France**  
Obtained with honors (18/20).

## EXPERIENCES

- February 2022-  
2023      **Communication Manager at Polyquity, EPFL**  
Organization of events and communication strategy for a student association fighting for gender equality and against any kind of discrimination on the campus.
- 2021-2023      **Teaching Assistant, EPFL**  
Assisting teachers to help students solving their exercises, in Analysis and Linear Algebra.
- September 2021-  
2023      **Mentoring, EPFL**  
Helping first year students in their courses organization and providing mental support.
- September 2021-  
February 2022      **'Buddy' Erasmus, EPFL**  
Organization of social meetings for Erasmus students.

## PERSONAL INFORMATION

Date of birth: 08/12/1999  
Nationality: French

### CONTACT

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## LANGUAGES & SKILLS

French, Fluent  
English, Proficient  
Spanish, Proficient

### Programming languages:

Python, R, C++

### Tools:

Operating systems: Linux, Windows

Cloud computing: AWS

Development tools: Github, R Studio,

Jupyter, MATLAB

Scripting languages: shell, bash

Statistical analysis: G\*Power

Protein Visualization: VMD, Chimera, PyMOL

Hardware platforms: Arduino

Typesetting: LaTeX

### Skills:

Next Generation Sequencing (NGS)

BLAST

## HOBBIES & ABILITIES

Tennis (competition), Padel, Boxing, Ski  
& Snowboard

Kitesurf

Start Up Weekend