



**Lucas ROUAUD**

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rouaud-ba2a52177

22 years old

https://github.com/  
FilouPlains

## LANGUAGES

French (native)

Spanish (scholar)

## HOBBIES

Programming

## EVENTS

(2018) General competition of high schools and trades, biotechnologies

(2019) Third semester done at UQAC, in Quebec

(2022) Workshop school: presentation of Kaggle project and a poster on the M1 internship

# Looking for a PHD in structural bioinformatics

## SKILLS



### Bioinformatic

- Work and conduct on a project in group
- Do machine learning
- Align sequences
- Simulating molecular dynamics
- Dock ligands
- Use object-oriented programming for projects



### Computer science

- Use Visual Studio Code software as well as Microsoft or Libre office's pack software programs
- Use Git
- Make PDF through LaTeX
- Use HTML and CSS to realize a simple web page
- Programming with C++, Python, R
- Use vectorial computation methods



### Statistic

- Analyse and present results in the appropriate format
- Use R to do analyses

## TRAINING

2021 – 2023

- Master degree in bioinformatic  
Université Paris Cité in Paris (France)

2020 – 2021

- Bachelor degree in Life Science, major in Biochemistry and Cellular Biology  
Institut Sciences et Techniques in Neuville-sur-Oise (France)

2018 – 2020

- DUT in Biological engineering, option biological and biochemical analyses  
Institut Universitaire de Technologie in Pontoise (France)

2018

- Baccalaureate in Sciences and Technologies in Laboratory, in biotechnologies  
Lycée Viollet-le-Duc in Villiers Saint Frédéric (France)

## PROFESSIONAL EXPERIENCES

2023

**6 months,  
internship**

- Trainee in structural bioinformatic / Team UMRBIBIP, CNRS  
Paris (France)  
Task done:
  - Working on Hydrophobic Cluster Analysis
  - Detection of distant homology based on structure
  - Natural Language Processing and word2vec

2022

**3 months,  
internship**

- Trainee in structural bioinformatic / Team UMR\_S U1134, INSERM  
Paris (France)  
Task done:
  - Molecular dynamics simulation
  - Molecular docking
  - Programming parser in python
  - Data analyses with R

2021

**2 months,  
internship**

- Trainee in web development / Team UMR\_S U1136, INSERM  
Paris (France)  
Task done:
  - HTML form
  - Data treatment with SQL
  - Server side processing with PHP
  - Work on the ergonomic of a website