

# Tom MAUGER-BIROCHEAU

**Objective : Request for a 6-month internship starting February 2023 in data science/data analyses**

**I possess varied skills I can offer to this internship.**

## PERSONAL DETAILS



75 Rue EVARISTE GALOIS  
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Driver's license



GitHub

## ASSETS

Rigorous	Persevering
Punctual	Organized
Dynamic	Autonomous
Curious	Sociable

## INFORMATICS SKILLS

Python	★★★★★★
R	★★★★★
SQL	★★★★★
Java	★★★★
Linux/Conda	★★★★

## LANGUAGE SKILLS

English	Working knowledge
Deutsch	Basic

## OTHER INTEREST

- Interested in Science, Biology, Physics, Economy
- Sports (Hiking, Tennis)
- Travel has included Italy, US
- Swimming (8 years) selected for 4 French championships

## EDUCATION

### 2020-... Graduate program

Major Biology  
Minor in bioinformatics



**2017-2020 : three-year intensive program in biotechnologies to prepare for competitive exams for admission to French Grandes Ecoles equivalent to graduate schools**

Skills developed: Persistence, Diligence



**2017 Baccalauréat, equivalent to A-levels Majored in biotechnologies, with honors**



Considerable experience in scientific laboratory work

## WORK EXPERIENCE

### Internship:

**2022 ICB Theis Lab in Munich (Deutschland)**



Development of two open-source data analysis packages : [greatpy](#) et [superexacttest](#)  
Skills developed: Python, pandas, GitHub

**2021 I3S in Biot(06)**



SPARS crew, CNRS the French equivalent of National Center for Scientific Research  
Design a repressilator model usable in mammal cells  
Skills developed: independence, reliability

### Personnal project:

- Development of a Machine Learning algorithm to determine the malignancy of a cancerous nodule.
- Development of an algorithm to predict the evolution of COVID-19



### Seasonal work:

**Jouffray-Drillaud in Vienne en val(45)**

Every years since 2014

Temporary work as an agricultural worker  
Skills developed: motivation, leadership

## REFERENCES

- Jean-Paul COMET : [jean-paul.comet@univ-cotedazur.fr](mailto:jean-paul.comet@univ-cotedazur.fr)  
Researcher at I3S, internship supervisor  
Director of the bioinformatics minor
- Ignacio IBARRA : [ignacio.ibarra@helmholtz-muenchen.de](mailto:ignacio.ibarra@helmholtz-muenchen.de)  
Internship supervisor