

# BENJAMIN TOURNAN

## Second-year master's student in anthropobiology

My academic journey has provided me with a deep understanding of evolutionary processes, allowing me to explore the complexities of human evolution and adaptation. Throughout my studies, I have developed a keen interest in utilizing statistical and bioinformatics tools, particularly in the programming language R. I am passionate about employing these tools to contribute to a more comprehensive understanding of the intricate relationships within human evolution.



## EDUCATION

- Current  
|  
2022
- **M.S., Anthropobiology**  
University Paul Sabatier

Toulouse, France

- Comprehensive and interdisciplinary understanding of human evolution and biological diversity
  - Paleoanthropology, genomics, phylogenetic methods and osteology
  - Statistics and programming using R, bioinformatics pipelines and bash scripts
  - Organization of tutoring and weekly support sessions for M1 students
- 2022  
|  
2019
- **B.S., Biology (Organisms, Populations and Ecosystems)**  
University Paul Sabatier

Toulouse, France

- General ecology and evolutionary processes
  - Spatial analysis using QGIS and introduction to R
- 2019  
|  
2017
- **First-year medical school**  
Toulouse-Purpan medical school

Toulouse, France

- Organization skills and work methodology to handle a heavy workload

## RESEARCH EXPERIENCE

- Jun.  
2024  
|  
Feb.  
2024
- **Center for Anthropobiology and Genomics of Toulouse (UMR 5288)**  
Second-year master's internship

Toulouse, France

- Four-month internship conducting a 3D morphological analysis of dental remains from *Australopithecus africanus*
- May  
2023  
|  
Mar.  
2023
- **Laboratory of Evolution and Biological Diversity (UMR 5174)**  
First-year master's internship

Toulouse, France

- Dissertation entitled "Blood groups systems polymorphism in Papua New-Guinea"
  - Two-month internship exploring the genetic diversity of Papua New-Guinea through the analysis of blood group alleles in 150 individuals
  - Statistical analyses using R and spatial visualization using QGIS
  - Poster presentation at the "Société d'Anthropologie de Paris" conference (jan. 2024)

## STUDENT JOB

- 2023  
|  
2019
- **Public Swimming Pool**  
Cash desk management

Gimont, France

- Cash management, entry management, and training of new employees

## CONTACT INFO

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## SKILLS

Statistical analysis, data visualization and programming in R with expertise in relevant packages such as the tidyverse (with a focus on ggplot2, readr, dplyr, tidyr), ade4, car, and others. For additional information, refer to [this link](#).

Hands-on experience in bash scripting and bioinformatics pipelines for ancient DNA analysis.

Skilled in LaTeX, Quarto, RMarkdown and Microsoft 365 for scientific authoring.

Proficient in Final Cut Pro for video editing, and skilled in using Photoshop and Illustrator for graphic design and visual content creation.

## LANGUAGES

I am a native French speaker who is fluent in English, with a working knowledge of Spanish and Occitan (a regional French language).