

# CURRICULUM VITAE

## FORMATION

2024-2026 | **Master's degree in oceanography, modeling and data analysis** | Aix-Marseille University, OSU Pythéas Institute

**Scientific skills:** Mechanistic modeling, Dynamical systems, Chaotic systems, Complex systems, Game theory, Machine/Deep Learning, Data analysis

2021-2024 | **Bachelor's degree in oceanography** | Aix-Marseille University | Ranked first in class  
**Scientific skills:** Mathematics, Statistics, Ecology, Biology and physiology of marine organisms, General oceanography (Biological, Physical, Chemical)

2021 | **High school diploma** | Chevreul Lestonnac | Graduated with honours  
**Specialization:** Biology, Physics and chemistry, Mathematics

2019-2020 | **French Navy training program** | Naval military preparation of Lyon  
**Military skills:** Basics of seamanship and military training, first-aid, use of fire-fighting equipment

## EXPERIENCES

MIO | **Internship in modelisation** | June-July 2025  
Predicting regime shift model-based method | Predicting Hopf bifurcation model-based method | Bifurcation analysis

MIO | **Internship in modelisation** | June 2024  
Implementation and analysis of stochastic models | Numerical Numerical schemes for stochastic differential equations | Regime shift | Early warning signals

MIO | **Internship in molecular biology** | June-July 2023  
Microbial culture | Restriction analysis | PCR | Q-PCR | RT-QPCR | Electroporation

GOSTUDENT | **Tutor** | March-June 2022 | Mathematics, Physics-Chemistry and biology  
Pedagogy | Oral skills | Administrative | Organization | Entrepreneurship



## MALAVIEILLE JULES

9 rue César Aleman,  
13007 Marseille, France  
[j.malavieille444@gmail.com](mailto:j.malavieille444@gmail.com)  
Driver's licence  
Boat licence  
Born 05/07/2003 (22 yo.)

## QUALITES

Rigorous | Efficient | Logical | Sociable | Calm | Analytical

## GENERAL SKILLS

Teamwork | Leadership  
| Python | Fortran | LaTeX | Microsoft office | English C1 level

## ASSOCIATIONS AND SPORTS

**Head of events**, Luminy student Union (BDE), 2021-2022

**Vice-President**, Luminy student Union (BDE), 2022-2024

**Judo-Jujitsu**: 10 years

**Parkour**: 7 years

**CrossFit**: 4 years

**Scuba diving**: Level 3 CMAS (Dive master equivalent)