










# Mathieu Moreau

Gap year internship (From July 2023)



## Personal details

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-  YES
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-  Mathieu Moreau



## Skills

- Fortran / Fluent / Matlab / Python 
- Pack office 
- Oral and writing communication 


## Languages

- English (B2-C1)  expeccting the MOCK CLB
- Italian (B1-B2) 

## Hobbies

-  Sport : Football (10years in club) and F1 (entertainment)
-  Japanese Culture (manga, video games)

## Qualities

-  Consciencious, Ponctual, Enthusiastic, Team Spirit, Curious

## Profile

I am a french sportive engineering student interested in fluid mechanics fields related to environment, energy and hydraulics. Sensitive to the ecological transition which is an issue for all, I am motivated to participate in its improvement through my future professional missions.

I study in Toulouse, FRANCE at ENSEEIHT in the fluid mechanics and hydraulics cursus and would like to do an internship during my gap year between my second and third year of studies as a second year engineering student. This one will allow me to improve my professional experience and overall to reinforce my technical skills in fields that interest me.

## Education

- Highschool with majors in sciences** **Sep 2016 - Jul 2019**  
Lycée Beaussier, La Seyne sur Mer
- Preparatory class in Math/Physics (MPSI-MP)** **Sep 2019 - Jul 2021**  
Lycée Masséna, Nice
- Engineering school in fluid mechanics, energy, environment and hydraulics (MFEE)** **Sep 2021 - Sep 2025**  
ENSEEIHT, Toulouse
- I overall study math, porous media, thermic transfers, hydraulics, flows with different reynolds, complex fluids, boundary layers, solid mechanics and also CFD (fluid mechanics numerical simulations).

## Employment

- Seasonal forest ranger** **Aug 2022**  
Departmental Var council, Signes

## Achievements

- TIPE project with arduino systems and CO<sup>2</sup> gas sensors for my exams to enter in an engineering school.
- Hydraulics research project framed by IMFT (fluid mechanics institute of Toulouse) during my second year at ENSEEIHT.
- Mathematics tutor in 2019.

## Internships

- Technical assistant in hydraulic development workshop for submarine vehicles** **Jun 2022 - Jul 2022**  
IFREMER, La Seyne/Mer, 83
- My first year student engineering internship. I had to suggest a cooling system for the oil circulating in the hydraulic central of the submarine ROV VICTOR 6000 using or not a thermal exchanger. I have used my skills in thermic transfers and it was also for me a chance to see concrete hydraulic machines and to be involved in some essays wether for installation or data statements.