



FLORIAN DELAPLACE

5TH YEAR ENGINEERING STUDENT

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JOB EXPERIENCE

RESEARCH ENGINEER - GRADUATE INTERNSHIP

From February 2023 to August 2023



INSTITUT DE BIOMÉCANIQUE HUMAINE GEORGES CHARPAK - PARIS

Development of a protocol and a technological platform in the laboratory to evaluate the metabolic cost due to the vibration in road cycling.

FOUNDER

From March 2022 to Present



FWOOD

Managing a self-employed business :
- Design and manufacture of wooden vinyl storage units
- Creation of an online shop.

RESEARCH ENGINEER - INTERNSHIP

From August 2021 to January 2022



SPORTS LABS UK - LIVINGSTON (SCOTLAND)

Research, development and validation of an automated traction device, testing the interactions of the player's reproduced translational and rotational movements on the surface, for use on artificial turf systems for sports.

DELIVERY MAN AND ORDER PICKER

2 months summer job - 2020 & 2021



PROMOCASH - CHERBOURG (FRANCE)

Work in a supermarket for restaurants.
Delivery and order picking.

FACTORY WORKER - INTERNSHIP

From June 2019 to July 2019



CMN - CHERBOURG (FRANCE)

Work in military and civil vessels construction.
Participation to the fabrication of HSI 32 :
Straightening aluminium sheets and onboard boats.

EDUCATION

INTERNATIONAL RESEARCH MASTER 2

September 2022 - July 2023
(Double degree)



BME PARIS (ARTS & METIERS, PSL, UNI PARIS-CITÉ)

Biomedical and biomechanical engineering track :
Musculo-skeletal system, movement analysis, muscular system modeling, impacts & mechanical waves, biomaterial, linear & non-linear finite element modelling, biological tissues...

ENGINEERING SCHOOL

September 2018 - July 2023



EPF CACHAN

3 years of general scientific studies (Bachelor's Degree)
2 years of specialisation in engineering & health (Master's Degree)
Courses in health, anatomy, physiology, biomechanics, robotics, data science...

BACCALAUREATE OF SCIENCES

September 2015 to July 2018



LYCEE ALEXIS DE TOCQUEVILLE - CHERBOURG

Engineering sciences option
Graduated with honours.

LANGUAGE

 **FRENCH**
Fluent (mother tongue)

 **ENGLISH**
Advanced Level - C1

 **GERMAN**
Average Level - B1

PRO SKILLS

CAO & FEM :
CATIA, SOLIDWORKS, AUTODESK INVENTOR, ABAQUS, HYPERMESH,

PROGRAMMING :
MATLAB, JAVA, C LANGUAGE, SQL, VBA, RSTUDIO

PROJECT MANAGEMENT :
WORD, EXCEL, POWERPOINT, ACCESS, GANT

BIOMECHANICS :
3D MOTION ANALYSIS, EMG, IMU, OXYGEN INTAKE

ACTIVITIES

HOBBIES
Trip, sports, go out, cooking, tinkering, hiking

SPORT
Handball (10 years) in a centre of formation in Cherbourg, national level (U18 France)