



# LUCAS GIRARDET

BIOMEDICAL ENGINEERING STUDENT

## INFORMATIONS

- Lucas Girardet
- Nationality : French
- 23/06/2003
- Biomedical engineering student
- Driving licence  
(with personal vehicle)

## CONTACT

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## LANGUAGES

- French : Native
- English : C1 level (fluent)
- Spanish : B1 level
- Italian : Basic knowledge

## INTERESTS

- Sports : Amateur football (9 years), weightlifting/fitness
- Science & new technologies
- Travelling, discovering new cultures : Canada, Netherlands, Italy, Ireland, Kenya
- Music : Guitar, piano



## PROFILE

As a biomedical engineering student, I am passionate about new medical technologies, mechanical design, and industrial innovation. Throughout my studies, I have developed solid knowledge in medical devices, as well as strong skills in CAD, technical analysis, and mechanical engineering. Curious, ambitious, and motivated, I am seeking a challenging 12-week minimum R&D internship in the biomedical field to apply and strengthen my competencies as an engineer, in a real-world research or innovation environment, and further develop my biomedical and technical expertise.



## EDUCATION

### Engineering Degree

2024 - Present

#### ISIFC | Engineering School in Biomedical Technologies, Besançon, France

Studies in engineering sciences, molecular biology, programming, human anatomy and pathologies, biomedical devices, fluid mechanics.

### Erasmus+ Semester

January 2024 - June 2024

#### Technological University of Dublin, Dublin, Ireland

Completed as part of my third year of the Bachelor's degree in Engineering Sciences. Courses in heat transfer, mechanical design, management, materials engineering.

### Bachelor's Degree in Engineering Sciences

2021 - 2024

#### UFR Sciences et Techniques | University of Franche-Comté, Besançon, France

Studies in system mechanics, Newtonian physics, CAD, optics, electronics, structural design, machining.

Graduated with Honors



## WORK EXPERIENCE AND PROJECTS

### Research Intern

January 2026 (Incoming) : 6 weeks

#### Western University, London, Canada

Research project on magnetic tracking systems for surgical navigation. Programming, test and analysis of a "GPS for surgery" system interacting with a medical robot.

### Biomedical Engineering Project

September 2025 : 4 months

#### ISIFC, Besançon, France

Designed a robotic intra-oral inspection device using concentric tube technology. Co-led the complete design phase from medical needs analysis to detailed CAD modeling of the ergonomic handle and internal mechanisms. Performed component sourcing and virtual validation of the kinematic chain to demonstrate mass production feasibility.

### Other Professional Experience

Summers 2022 - 2024

#### France

Worked as a construction worker (Prefa25), quality control operator (Bourbon Automotive Plastics), or municipal employee (Les Fins Town Hall).

Gained experience in industrial manufacturing processes, quality control, and public services through seasonal positions.



## QUALITIES

- Confident
- Reliable
- Diligent
- Hardworking
- Proactive
- Organized



## SKILLS

- CAD : SolidWorks, Catia V5, PTC Creo
- Programming : MATLAB, Python, JavaScript, ROS2, C++
- Professional skills : Mechanical engineering, quality control, understanding of industrial processes
- Individual skills : Organization, initiative, adaptability, technical problem-solving