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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Besançon, France

LinkedIn : https://www.linkedin.com/in/lucas-girardet-79057217a/

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
- Music : Guitar

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 3-month 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) : 2 months

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.

Bachelor's Engineering Project — September 2022 : 6 months

University of Franche-Comté, Besançon, France

Developed and prototyped a pressure-regulating valve system for stand-up paddleboards to prevent overinflation in direct sunlight, co-led full design cycle from needs analysis to final assembly using CAD modeling, 3D printing, and machining techniques.

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