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, 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 an international mobility opportunity to apply and strengthen my competencies as an engineer, in a challenging academic and multicultural 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 - 2025

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