

# GAZALIOU HACK

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## PROFILE

19-year-old student pursuing a Bachelor's degree in Mechatronics Engineering (3rd year) at the National Institute of Applied Sciences of Strasbourg. I am seeking an internship in a company or research laboratory as a technical assistant for summer 2026.

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## EXPERIENCE

### **Kalysta Actuation , Évry 91025** (Jun. 2025 - Jul. 2025)

- Design and optimization of a humanoid robot head for internal component integration via CAD and 3D printing.
- State-of-the-art research on mouth mechanisms and contribution to mechatronic integration.

### **Aptiv France - Signal and Power Solutions, Epernon 28140** (Jun. 2024- Jul. 2024)

- One-month internship within the production quality department.
- Assisted and operated on semi-automated production lines.

### **Volunteer Tutoring in Mathematics, Physics and Chemistry** (Jan. 2025 - May 2025)

- Weekly academic support for first-year higher education students.

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## EDUCATION

### **National Institute of Applied Sciences (INSA), Strasbourg, France** (Sep. 2023 - present)

Engineering degree program – Mechatronics specialization

- Design and realization of a sumo robot, including mechanics, sensor selection, and implementation of technological solutions.
- Member of the school's study council.

### **General Baccalaureate – Mathematics / Physics-Chemistry** (Sep. 2020 - Jul. 2023)

Louis Bascan High School, Rambouillet 78120

- European English Section – Highest honors – Advanced mathematics option.

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## SKILLS AND ADDITIONAL INFORMATION

### **Software, tools, and technical skills :**

- CAO : CATIA / PTC Creo (intermediate), Proteus (basic)
- Simulation : MATLAB (intermediate)
- Programming : Python / Java / SQL (intermediate), LabVIEW (basic)
- Analog and digital electronics, control systems, mechanical design.
- 3D Printing

**Languages :** French (native), English (C1), Spanish (B1).

**Interests:** Basketball (regional level). Passionate about various fields: robotics, automation, mathematics, machine learning, physics, and more.

**Driving license :** Category B.