

# DAVID Lucas Rino Yves

Le Creusot, 71200, France  
(+33)7 87 37 51 66  
Mail : lucas@lucas-david-ry.com  
Website : lucas-david-ry.com  
✉ : @LucasDaRiYv

## 4th-year student in Robotics Engineering

Motivated by the mission of enhancing and expanding civilization, searching for a 4 to 5-month internship abroad.

## EXPERIENCES

### ImVia Lab., Le Creusot — *Internship*

June 2025 -July 2025

1-month internship in my school laboratory. Learned to use and program two FANUC arms (in both TP and KAREL) for remote control and dynamic pathing. Started aerodynamic studies with OpenFOAM. Presentation of my study project to multiple representatives (MIT France, Safran Tech)

### Intermarché, Bagnac-sur-Célé — *Shadow Job*

December 2018

A week long shadow job in a supermarket where I helped shelf products, clean, move products on the shelves, check prices and expiration dates, and manage the cash register.

## EDUCATION

### Polytech Dijon, Le Creusot — *Engineering school*

September 2024 - Today

I study industrial robotics, mechatronics along with automation and control systems. Class delegate for 2 years.

### Gay-Lussac, Limoges — *“Prépa” Two-year intensive program for national competitive exams*

September 2022 - June 2024

MP2I track : Maths, Physics, Computer Science & Mechanical Engineering. Multiple exams per week, theory-oriented.

## CURRENT PROJECT

### Super Heavy Catch— *2.5-year long flagship project*

Since February 2025

Reverse-engineering the controls of the Super Heavy rocket booster to catch it in a noisy simulation. Then, with the help of a sensorized mockup and a FANUC arm, make this a real-time hardware-in-the-loop simulation.

This project links simulation environments, control systems, design, electronics, communications, and aerodynamics.

[More available on my website !](#)

## Diploma

High school diploma (BAC Général) 2022 with honors  
Majors : Maths, Computer Science, Mechanical Engineering

## Miscellaneous

Club athlete (Creusot Volley Ball)

Organized, Reliable

Properly uses the Office suite, programming in C++ and HTML/CSS/JS

Animated multiple activities at a science forum

Video editing skills (Adobe Premiere Pro)

## Language

French (native language)

English (fluent, TOEIC 970/990)

Japanese (beginner)

## References

M.FOFI (flagship project supervisor & Director of the Robotics department at Polytech Dijon) (available upon request)