

Léon LEROY

Mechatronics Engineering Student



Personal Information

Léon LEROY

Nationality: French
Date of Birth: 11/07/2003
Driver's license + Vehicle

Technical Skills

Programming

- Python, Java, C
- MATLAB, LabVIEW
- Arduino, L^AT_EX

Artificial Intelligence & Data Processing

- Machine Learning, Deep Learning
- Neural Networks, CNN, Transformers
- Computer Vision (image processing, segmentation, detection)
- TensorFlow, PyTorch

CAD Software

- PTC Creo, Fusion 360
- Autodesk Inventor, Motion View
- Mechanical simulation, kinematic & dynamic analysis
- Proteus (electronics simulation)

Robotics & Mechatronics

- Robot modeling and control
- Sensors and actuators
- Mechatronic system integration

Interests

Piano – Since 2009
Judo - Brown belt
3D Printing

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in léon leroy
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EDUCATION

2025–2026

Telecom Physique Strasbourg

INTERNATIONAL RESEARCH MASTER IRIV HEALTHTECH · Master's degree
Health Technologies



2021–2026

National Institute of Applied Sciences

"INSA" IN STRASBOURG (67) · Fifth year
Mechatronics Engineering



Jan – May 2025

International Mobility in Canada

UNIVERSITY OF SHERBROOKE ·
Nonlinear Systems and Advanced Control in Mechatronics – Faculty of Engineering



2018–2021

High School Diploma

HIGH HONOURS · "Georges Baumont" High School in Saint Dié des Vosges (88)
Majors: Mathematics - Physics & Chemistry - Engineering Sciences

WORK EXPERIENCE

Sept 2024 – August 2025

Final Year Project & Engineering Internship – Medical Robotics

IHU STRASBOURG / ICUBE · Strasbourg
11 months - *Robotization of a Transesophageal Echocardiography probe*

June – August 2025

R&D Intern Mechatronics and Additive Manufacturing

COMPANY 3DEUS DYNAMICS · Rillieux-la-Pape
9 weeks

July – August 2024

Intern - Worker Position

COMPANY "FLENDER" · Illkirch-Graffenstaden
4 weeks

July – August 2023

Stratoconception Technician

COMPANY "INORI - CIRTES" · Saint Dié Des Vosges
8 weeks – **Recommendation Letter**

OTHER EXPERIENCE

2023 - 2025

Tutor - Freelance - Permanent Contract

PARCOURS HOMÈRE · Private Lessons
Strasbourg



2023 - 2024

A.E.P.

JUNIOR ENTERPRISE PROJECT · Electronic Board Development

LANGUAGES

French

C2

Native language

English

B2



German

A2



CERTIFICATIONS

2024

June 2024

TOEIC - English - B2

Risk Prevention
Related to
Physical Activity

Please find my portfolio attached : <https://leonleroy88.github.io/Portfolio/>