

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, \LaTeX

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

@ leon88.leroy@gmail.com

in léon leroy

06 17 97 51 31

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 July – August 2022	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	TOEIC - English - B2
June 2024	Risk Prevention Related to Physical Activity

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