



# Quentin LANDON

23 years old, Engineer  
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**Language skills**  
French: Native Speaker  
English: Fluent



Portfolio



Github



## Education

### School engineer Degree in Embedded and Digital Systems: Autonomous and Connected Vehicles

**ESTACA** - Paris-Saclay, France  
2022 – 2025

Relevant Coursework: Applied Mathematics, Computer Science, Sensor/Measurement Chain, Digital Electronics, Systems Control, Statistics for Artificial Intelligence, Signal Processing (analog, digital), Ethernet and Communication Networks (Wi-Fi), Embedded Linux, Microcontroller Systems (raspberry, stm32), Sensor data fusion, Functional safety, ORB-SLAM, navigation, Kalman filter...

Key Projects: Key Projects: UAV projects involving visual-inertial SLAM on Simulink (real-time implementation). I conducted a state-of-the-art review of SLAM technology to implement it in real time, and also worked on object recognition, path planning, and machine learning for predictive maintenance. This year (2025), I implemented a collaborative visual-inertial SLAM system in real time using ORB solutions. I won the Century Challenge at ESTACA, competing against Thales, Dassault, and Safran, and gained valuable experience in SLAM technology and the use of MATLAB/Simulink.

Technical Skills: Programming (Python, C/C++), MATLAB/Simulink, Linux, AUTOSAR, AI (Machine Learning, Deep Learning, Reinforcement Learning), RTmaps, Vector, CANoe, Optitrack, GitHub, FPGA and Basics on ROS (more information in my portfolio).

### University Diploma of Technology in Physical Measurements

University of Strasbourg - Strasbourg, France  
2020 – 2022

Relevant Coursework: Mathematics (Analysis and Linear Algebra), Signal Processing, Thermodynamics, Metrology, Electronics, Electromagnetism.

Technical Skills: Programming (MATLAB, SolidWorks, LabVIEW, ARM Assembly, Python), Electrical Qualification: B1V, Testing BE, Measurement BE.

### High School Diploma (Science)

Louis Pasteur High School - Strasbourg, France  
2017 – 2020

## Work Experience

### Engineer Intern in Regulation and Homologation of Autonomous Vehicles

Stellantis - Paris, France  
2022 – 2025

Global Representation: Represent Stellantis in international discussions on Level 4 autonomous vehicle regulation, including DSSAD (Data Storage System) compliance. Active member of OICA (International Organization of Motor Vehicle Manufacturers), contributing to regulatory developments.

Regulation, Homologation and Compliance: Develop and write test protocols aligned with global regulations for autonomous vehicles and Advanced Driver Assistance Systems (ADAS). Work closely with various departments to gather necessary data for regulatory testing and address software design inquiries to ensure compliance.

### Quality Department Intern

PUNCH Powerglide - Strasbourg, France  
2021 – 2022

## Hobbies

### Music, Tennis, Running, Travel, Finance

I'm passionate about music and play the saxophone in my free time. I earned a Conservatory Diploma in Saxophone and Music Education from the Strasbourg Conservatory in 2018. Besides music, I have a deep interest in finance and am very engaged in the stock market.