# Erwin **Lejeune**

## contact
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Nantes, France

## web & git
linkedin.com/erwin
github.com/guilyx

## languages
French (native),
English (proficient),
Spanish (intermediate)

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## programming
♥ Python, C, C++, Bash/Zsh
Scripting, Matlab

## robotics
Motion Control, Perception,
Localization, ♥ Planning,
ROS, Flight Controllers

## embedded technologies
♥ STM32, VHDL, Raspberry,
WaRP7, FPGAs, CPLDs,
Arduino, Buildroot

## others
Linux, Git, LateX,
SystemC/TLM, Artificial
Intelligence, Computer Vision

## **bri**ef
Studying in the Embedded Real-Time Systems path of a Robotics Master's degree, I am highly interested in Robotics and Electronics and wish to grow a career in developing software for self-driving aerial or ground vehicles.

## **wor**k experience

| summer '19 | **Ingeniarius** | Coimbra, Portugal |
|---|---|---|

*Mobile Robotics Intern*
- Mechatronics conception, embedded and ROS software development of a Differential Robot.
- Development of a wall-following solution, as well as an A* pathfinder for mazes.
- Trained an AI model to recognize vegetation susceptible of propagating Wildfires.

| feb '19-jun '19 | **Hiventive** | Bordeaux, France |
|---|---|---|

*Embedded System Developer*
- Development of a Framework using Parallel SystemC/TLM Simulation of Hardware Components.
- C++ development of simulation models in SystemC to create innovative Virtual Prototypes.
- Testing of the Virtual Prototypes with Embedded Firmwares I developed for physical boards.

| summer '18 | **LS2N** | Nantes, France |
|---|---|---|

*Mobile Robotics Intern*
- Research and Development of solutions for Autonomous Patrols with Turtlebots differencial robots.

## **edu**cation

| expected 2021 | **MSc. in Control and Robotics** | Ecole Centrale de Nantes |
|---|---|---|
| | Specialized in Embedded Real-Time Systems. | |
| march 2020 | **Nanodegree in Autonomous UAVs** | Udacity |
| | Flight Software Engineering for Aerial Vehicles. | |
| 2018–2019 | **MSc. in Embedded Systems** | Bordeaux Ynov Campus |
| | Specialized in Embedded Software Development. | |
| 2015–2018 | **BEng. in Electrical Engineering** | Université de Nantes |
| | Specialized in Computer Engineering. | |
| 2014 | **Science Highschool Degree** | Lycée Rosa Parks (LRSY) |
| | Engineering path, specialized in Computer Science. | |

## **hob**bies

| 2007–2019 | **Basketball** |
|---|---|
| | Active participation to 3x3 FIBA Tournaments and part of the university's varsity team. |
| 2016–2017 | **Student Association** |
| | Active participation to Lab Sciren, an IT-driven association helping people realize technical projects like a FabLab. |
| 2015–2017 | **Tutoring** |
| | Tutoring on free time for freshmen and sophomores at University. |