

Erwin Lejeune



contact

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Nantes, France

web & git

linkedin.com/erwin

github.com/guilyx

web portfolio

langues

Français (native),
Anglais (fluent),
Espagnol (conversational)

software development

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

embedded technologies

♥ STM32, SystemC/TLM,
Raspberry, WaRP7, FPGAs,
CPLDs, Arduino, Buildroot,
VHDL

robotics

ROS, ♥ Path Planning, Motion
Control, Perception

workflow

TDD, Github Actions, Travis
CI, Git

résumé

Currently a Graduate Student in Robotics, specialized in Embedded Real-Time Systems, I am looking for a remote part-time job in IT.

experience

- summer '20 **Hiventive** From Home, France
Back-End and Embedded Software Intern
- Back-End development for an Electronics Manufacturing tool (Go, PostgreSQL, Rest API)
- Embedded Software development for a photography embellishment project (ESP32, BLE, PID)
- summer '19 **Ingeniarius** Coimbra, Portugal
Robotics and Embedded Software Intern
- Hardware and Software development of an autonomous wheeled robot. Arduino based with a RPi running ROS nodes.
- Research and Simulation of a semantic mapping solution for flammable vegetation. (SEMFIRE Projec)
- feb '19-jun '19 **Hiventive** Bordeaux, France
Embedded Systems Engineer
- Creation of simulation models (UART, SPI, CAN..) in SystemC to build Virtual Platforms.
- summer '18 **LS2N** Nantes, France
Robotics Intern
- Development of fleet solutions for autonomous patrols of Turtlebots.

formation

- Maintenant **Master's in Control and Robotics** Ecole Centrale de Nantes
Specialized in Embedded Real-Time Systems.
- 2018–2019 **Master's in Embedded Systems** Bordeaux Ynov Campus
Specialized in Embedded Software Engineering.
- 2015–2018 **Bachelor's in Electrical and Electronics Engineering** Université de Nantes
Specialized in Computer Engineering.

hobbies

- 2018–Now **Open-Source**
Actively contributing to Open-Source projects since late 2018. Pushed over 1000 commits in the last year on several projects including documentation, path planning, embedded drivers...
- 2007–2019 **Basketball**
Varsity Team, FIBA 3x3 Tournaments, National Tournaments and Championships...
- 2016–2017 **Student Association**
Helped developing Lab Sciren, a technical association that seek to help students develop technical projects with a fablab philosophy.
- 2015–2017 **Tutoring**
Tutored Freshmen and Sophomores in Computer Science and Electronics at University of Nantes.