



# Julien CASANOVA

## embedded system engineer

### Education

Engineering degree / [École des Mines de Saint-Étienne](#) Gardanne, France  
From 2018 to 2021

ISMIN program (Specialized Engineer in Microelectronics and Computer Science) With a specialization in embedded systems during the third year.

Preparatory class for the Grandes Écoles / [Lycée Jean Baptiste Dumas](#)  
Alès, France

From 2016 to 2018

TSI sector (Technology and Industrial Sciences)

Baccalaureate Diploma / [Lycée Jean Moulin](#) Béziers, France  
2016

STI2D sector (Sciences and Technology for Industry and Sustainable Development)

Certificate of Aeronautical Initiation / [Lycée Auguste Loubatières](#) Agde,  
France

2014

### Work experience

End-of-study internship / [MBDA Le Plessis-Robinson](#), France

From April 2021 to September 2021

FPGA engineer intern for 6 months. Development of an FPGA board to test different interfaces of different natures (serial link, data bus ...). Development realized in VHDL and C language with the Vivado software suite. Characterization of the needs, electronic design, development, and testing.

Industrial project / [École des Mines de Saint-Étienne](#) Gardanne, France

From 2019 to 2020

Realization of a pulse oximeter using OLEDs. This device measures the oxygen level in the blood using green and red OLEDs and an organic photodiode. This project mixed electronics, programming, and realization of these OLEDs in a clean room. This project was proposed by TECMOLED company.

Kitchen clerk / [Grand Hôtel de France](#) Meyrueis, France

From 2019 to 2020

Kitchen clerk, preparation of the service, preparation of starters and desserts. (2 x 1 month)

Worker internship / [PERA PELLENC SA](#) Florensac, France

January 2019

Development of an application to remotely control the temperature of vinification tanks in a winery. I developed this mobile application thanks to the Windev software engineering workshop. The application communicates with the HMIs thanks to the WIFI network. It has a secure administrator page to configure this connection.

Temporary employee / [Pompes Funèbres CASANOVA](#) Pomérols, France

Since 2014

Biering, civil and religious ceremonies, burials and cremations.

Computer and microelectronics engineer specialized in embedded systems.

For more information about me, do not hesitate to visit my website. (available in English)

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+33 6 79 89 17 97

23 years old

French

Driving licence (B)

### Languages

French

native

English

TOIEC : 805 pts

Spanish

fluent

### Computer skills

Good mastering: C++, embedded C, Solidworks, Python, VHDL, RTOS

Average level: HTML, CSS, Java, MatLab, Windev, Photoshop, Kicad, JavaScript, Linux

Basics: Assembly language, PHP, Vector CANOE, Git

### Skills

Listening, patience and mental agility

### Points of interest

**Volley - Ball**

Competitive volleyball practice.

**Puzzles**

Collection of more than 50 puzzles.

**IT, new technologies**