



# TRISTAN BERGER

SELF-TAUGHT WEB DEVELOPER -  
MECHATRONICS ENGINEER

📍 11 rue des barons, 01300, Belley

🎂 24 years old

☎ 0648024785

🚗 Full clean driving license

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🌐 tristan-berger.com

## EDUCATIONAL BACKGROUND

**Self-training**, 09/2021 – today

### Web Development

OpenClassrooms, Codecademy courses and other online resources. Personal projects and FrontendMentor challenges.

Find my portfolio at <https://tristan-berger.com>

**ENSIL-ENSCI**, Limoges, 09/2017 – 09/2020

### Mechatronics engineer

3rd year project « Design of educational medical simulations in Virtual Reality »

2nd year project : « automation of a reduced-scale car »

**Lycée Blaise Pascal**, Clermont Ferrand, 09/2015 – 09/2017

### Preparation for the competitive entrance exams to French engineering schools

Project : « Studying of strain gauges to achieve a scale »

**Lycée Pierre-Joël-bonté**, Riom, 09/2012 – 09/2015

### Baccalauréat (French secondary school diploma) in science, with major in engineering science

Last year project : « Creation of a vertical elasticity measurement system based on strength sensors »

## WORK EXPERIENCE

**Electronics engineer R&D**, 04/2021 - 08/2021

**GERAL**, Belley, 01

Design/Modification of electronic board, prototyping and tests.

Software used: CADSTAR- LTSpice - Autocad.

**Electronics engineer R&D**, 03/2020 - 02/2021

**international Start-up xRapid**, Aix-en-Provence, 13

Development of the electronic software/hardware part of a connected and ventilated mask (**xHale** product).

Choice of design and components, PCB design, routing, programming, and testing of the boards.

Software used : EAGLE- Simplicity Studio, programming on EFR32, C language.

**Internship in research (in University)**, 06/2019 - 08/2019

**Texas Tech University**, Lubbock, Texas

Research topic on the development of an object counting system using a drone. Use of deep learning algorithms for tracking and object detection – Python language.

## SKILLS

### Good spoken and written English

3 months internship in Lubbock, Texas.

Movies and series in OV, TOEIC score 860.

### Programming languages:

C, C++, Python, Matlab, SQL

HTML/CSS, JavaScript, React, PHP

### Conversational Spanish

School trip in Spain in a hosting family

## PERSONAL INTERESTS

### Passionate about sports:

Practiced Karaté for 12 years; obtained the black belt 1st dan

Participated in national competitions

Coaching of session dedicated to beginners

Practised Football in a Football club for 3 years.

Practise Crossfit