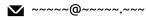
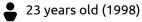
# Gilles DEVILLERS













## in linkedin.com/in/gildev

# **WORK EXPERIENCE**

## **Embedded Systems Engineer Apprentice**







Electronic products design and manufacturing company. I design electronic boards and **develop** the related firmwares for ultra **low power** products.

#### Embedded Systems Engineer Intern then Apprentice







Road signs manufacturing company. I've worked on dynamic LED signs, most commonly found on highways. I was then part of the R&D department. Designed electronic boards (schematics, PCBs, prototypes, tests...), developed firmwares, designed proofs of concept and functional prototypes, lead meetings, managed students contracted for an R&D project, worked on the new architecture of all the company's dynamic signs, evaluated new technologies, planned tasks, managed projects from start to finish, built partnerships...

#### Web Developer Intern







Short internship in a website hosting and designing company. Designed a backend inventory web app in PHP.

# **PROJECTS**

Many more available on my portfolio: https://gildev.dev

## A few personal ones:

Snake Clock (January 2020)

Designed and programmed a  $\mathbb{I}$ watch face for Lenovo's smart devices in Google's new Flutter framework for the international Flutter Clock Challenge organized by Google. Awarded one of 30 prizes.

GDBCs (January 2019)

Designed, engineered and programmed three original electronic clocks. Third prize at Monts' Young Inventors Show 2019, bronze medal of the Concours Lépine. Showcased on local TV.

### GDBC (March 2018)

Designed and built a complete computer on breadboards out of dozens of TTL logic chips. First prize at Monts' Young Inventors Show 2018, gold medal of the Concours Lépine.

#### IntelliCasier (September 2016)

Designed, engineered and programmed a smart locker for students. First prize at Monts' Young Inventors Show 2016, gold medal and cup of the Concours Lépine. Also awarded silver medal at the Concours Lépine 2016. Showcased on national TV and local

TV, radio and newspapers.

#### programmed a fully working emulated replica of the first ever personal computer using modern hardware. First prize at Monts' Young Inventors Show 2018, gold medal of the Concours Lépine.

#### **Braille Printer** (2016)

High school as team leader. Designed, engineered and programmed a new kind of Braille printer allowing for reduced manufacturing costs. Second prize at Monts' Young Inventors Show 2016, silver medal of the Concours Lépine.

## **EDUCATION**

## Master in embedded systems



2018 – 2021 💡 École des Mines de Saint-Étienne

Engineering diploma (CTI) and apprenticeship at SES Nouvelle & Sectronic. First out of 40 students.

## Bachelor in electronics and industrial computing

2016 – 2018 P Technology University of Tours

Major in embedded systems and programming. Second out of 100 students.

Baccalaureate S SI (sciences & engineering)

2013 – 2016 **Q** Lycée Jacques de Vaucanson

French baccalaureate diploma awarded with honors. Major in digital and computer science.



Proficient: C, C++, web (HTML5/CSS3, PHP, Bootstrap, Kirby CMS, Slim Framework...), electronic design (KiCad, Altium), embedded programming (AVR, STM32, PIC, Arduino, ESP...), CAD (Fusion 360, 3D printing), SBC (Raspberry Pi...), Linux (bit of kernel with Buildroot), macOS, Windows, git, content creation (videos, posters, slideshows, reports...), wireless (XBee³ with ZigBee, DigiMesh...)

Familiar: Python, Dart (Flutter), Qt, FreeRTOS, assembly programming, VHDL, SQL, Lua (PICO-8, TIC-80, Love2D...)

## **EVENTS**

- Nuit de l'Info 2017, as team leader, first local prize
- Nuit de l'Info 2016, as team leader, second local prize
- Monts' Young Inventors Show (solo) 2016 (1st prize), 2018 (1st prize), 2019 (3rd prize) and soon 2021
- Monts' Young Inventors Show 2016 2<sup>nd</sup> prize in group
- Concours Lépine (solo) 2016, silver medal

## LANGUAGES

French (native) English (TOEIC 970) German (basic, A2 certificate)

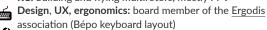


## **HOBBIES**



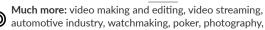
Computing, Electronics, Tech: many projects on my portfolio, home automation, virtual reality, 3D printing, esoteric programming, member of the TMC association

RC: building and flying multirotors, mostly FPV



Kiteboarding: since 8 years, windsurfing in the past Music: piano since 16 years, harmonica, electronic instruments

Constructed languages & scripts: Toki Pona, Esperanto Member & Webmaster of the DILGE association



vintage tech, aerospace, board games...

# A few school ones:

#### Satellite dish positioning (September 2017 — April 2017)

Second bachelor year as team leader. Engineered and programmed an automatic positioning system for a satellite dish located on top of a Civil Security's truck.

## Kenbak-1 Replica

(January 2017 - June 2017)

First bachelor year as team leader. Designed, engineered and

