

Ivan Imbert

SEEKING

Engineer
Embedded Systems / IoT /
Robotics
Starting september 2025

LANGUAGES



French : Native



English : TOEIC : 945



Spanish : Basics

INTERESTS



Hackathons

Trips



More than 15 destinations
Including Canada, Bolivia,
Norway and many others

Music



Trumpet / Orchestra
14 years



Collaborative work



DIY / Robotics

CONTACT



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EXPERIENCE



2025

6 months development engineer intern at Emotors

Research and testing of new tools for realtime testing on automobile softwares



2022 - 2025

Assistant teacher at EPITA (ACDC/YAKA/ACU)

Supervised tutorials in OCaml, C#, Java, JS, C++, C, SQL



2023

5 months dev internship at SPIDEO - Paris

Development of a new content recommendation algorithm (Java)



2022

2 months worker internship at MARKETING STUDIO - Paris

Marketing surveys company



07/2021

Worker internship at ENEDIS - Puteaux

At Cyclotron, incubator

FORMATION



2020 - 2025

Informatic Engineer at EPITA - Kremlin-Bicêtre

Engineering school certified CTI

English section, then real-time / embedded systems major



2022

Semester of studies at Centria UAS - Finland Kokkola



2018

Prevention and First Aid level 1

SKILLS

Programming

Imperative :

Java / C# / C / C++ / Bash / R /
Python / JS / Lua / VBA / Rust

Functional :

Haskell / Ocaml
(Scala / Nix)

Others :

VHDL (Ada) / Heptagon

Data bases:

MongoDB / SQL /
Elasticsearch / Neo4J

Office

IDE :

Jetbrains / VS Code /
Quartus / stm32CubeIDE

CAD :

SolidWorks / Fusion360

Tools :

Git / Gitlab / Docker / Jira

Platforms :

Linux / Arduino / ARM /
FreeRTOS / YOCTO /
Raspberry / x86

PROJECTS



Monocycle Processor - VHDL / Modelsim / Quartus

Design and synthesis of a single-cycle processor to upload onto an FPGA board.
(decoder of compiled assembly instructions)



Tiger - C++

Creation of a compiler for the language Tiger in a 4 students group



42sh - C / Shell

Creation of a posix shell from scratch in a 4 students group
Use of a CI/CD gitlab



Sudoku OCR - C

Creation of an sudoku solving OCR in a 4 students group
Use of a neural network for the digit recognition part



CodeMeToAfterlife - C# / Unity

Game aiming to learn programming in a multiplayer environment in a 4 students group
Language interpreted and syntax highlighting

COMPLEMENTARY ACTIVITIES



Teaching

Member of the office and tutor of the academic support association at EPITA
from 5 to 100 students per class



Team contest Course en Cours

4th rank + innovation special prize in 2017



Ski



Swimming



Climbing



Gymnastics