Ivan Imbert

SEEKING

Computer Science Engineer
With low level programming
Embedded, Robotics or others

LANGUAGES

French : Native

English : TOEIC : 945 (C1)

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** - Paris
Research on a new tool for realtime validation on automobile softwares (AUTOSAR, Vector)

2022 - 2025 — **Assistant teacher at EPITA (ACDC/YAKA/ACU)** - Kremlin-Bicêtre
Supervised tutorials in C, C++, Java, C#, OCaml, JS, SQL

2023 — **5 months dev internship at SPIDEO** - Paris
Development of a new content recommendation algorithm on a backend API (Java, MongoDB)

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 / Python / JS / Rust
Functional :	Haskell / Ocaml
Others :	VHDL (Ada)
Data bases:	MongoDB / SQL / Elasticsearch / Neo4J

Office

IDE :	Jetbrains / VS Code / Quartus / stm32CubeIDE
Tools :	Git / Gitlab / Docker / Jira
Plateforms :	Linux / Arduino / ARM / FreeRTOS / Raspberry / x86
CAD :	SolidWorks / Fusion360

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 Solvers - Java/C++
Creation of different algorithms to solve sudoku initially in Java to test and improve the algorithms then in C++ to optimize the implementation.
Optimized versions based on procedural programming

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 price in 2017

Ski **Swimming** **Climbing** **Gymnastics**