

DOMENICO GIUSEPPE CRESCCE

Contact

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1844 Villeneuve VD
GitHub LinkedIn Portfolio

Profile

Student at 42 Lausanne with a CFC in Electronics, currently transitioning into software development. Independent and solution-oriented, I am looking for a junior 40–50% position compatible with my studies.

Skills

Development

C, Python, C#, C++, Unix systems, parsing, processes, threads.

Tools

Linux, Git, Bash, Makefile, Valgrind, Helgrind.

Embedded & Electronics

STM32, ESP32, Arduino, Altium Designer, PCB design, firmware.

Projects

Minishell - C / Unix

Team-developed shell in C featuring parsing, pipes, redirections and process management.

Philosophers - C / multithreading

Multithreaded simulation using threads, mutexes, and precise timing.

Stream Deck - Python / C# / embedded

Stream deck combining Windows software, touchscreen interface and STM32 controller.

LED Controller - C# / Arduino

C# application communicating with an Arduino over serial to control RGB LEDs.

Languages

- Italian : Native
- French : Fluent
- English : Professional working proficiency

Interests

Technology · Gaming · Fitness



Experience

Part-time Electronics Technician

CDS Engineering SA

03.2026 – Present

- Development of a badge-based access control system.
- Electronic board design and component integration.
- Embedded firmware development and validation.
- Requirements analysis, prototyping, and technical troubleshooting.
- IT support.

Software Development Student

42 Lausanne

09.2025 – Present

- C and C++ projects under Linux, covering algorithms, memory management, parsing, processes, and multithreading.
- Independent project work, peer learning, Git, Makefile, and debugging.

Electronics Intern

Logitech Europe SA

08.2024 – 08.2025

- Software and hardware testing, data analysis, and test automation.
- Technical documentation and collaboration with engineering teams.

Electronics Apprentice

Cpny Yverdon

08.2021 – 06.2025

Strong cantonal exam results: second-highest score in the intermediate exams and joint highest overall average.

Additional Experience

Retail & Customer Service

2022 – 2024

- Durgnat « La boutique » / Viva-Cité Committee (volunteer work)

Education

Software Development - 42 Lausanne

September 2025 – Present

Electronics CFC + Vocational Maturity - CPNV

August 2021 – June 2025

Upper Secondary School - Gymnase du Bugnon

August 2020 – June 2021

References

Dumoulin Vincent

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