



Arthaud Guillaume

Software Development and Electronics Engineer

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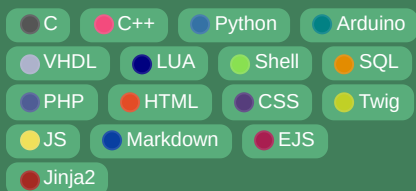
github.com/guigur

Driver's license

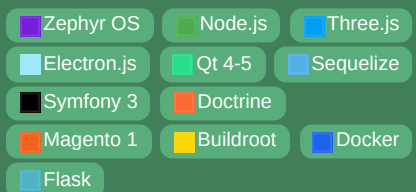
Toulouse

32 Years old

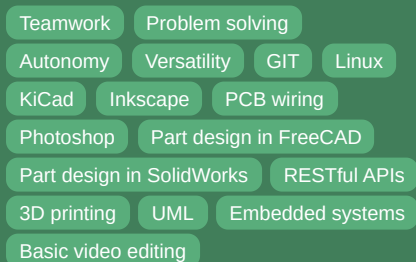
Languages



Techs



Skills



Spoken Languages

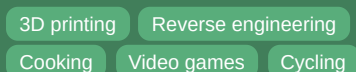
French

Native language

English

C1 eTOEIC 750 (2015)

Interests and Hobbies



Passionate about electronics and computer science, I strengthened my developer background with certified training in electronics. With more than 5 years of experience in software development and electronics, I design and develop solutions combining embedded software and electronic systems.

Work Experience



IoT Engineer at LAAS-CNRS / Owntech Technologies

Apr. 2022 - Aug. 2024, Mar. 2026 - Today

- C/C++ RTOS development (Zephyr OS) on STM32 platform
- Electronic board design in KiCad, wiring, and prototype testing
- Creation of test benches for production boards intended for sale
- Power electronics (reprogrammable open-source converter)
- Creation of a production API and Python SDK
- Node.js and Electron.js applications
- Server administration



IoT Developer at Beenetic Systems

Jan. 2022 - Mar. 2022

- C/C++ development
- CI/CD setup
- Creation of a binary protocol for GSM communication



Technical Executive at AKKA - Aeroconseil

Feb. 2020 - Nov. 2020

- Development of new features for a C++ Qt 4-5 graphical interface
- Creation of Python and Bash scripts to automate export tasks to an Airbus simulator



Self-Employed

Oct. 2017 - Jun. 2018

- Development of Linux embedded systems and 8-bit microcontrollers
- PCB design with Proteus
- Creation of Linux overlays



Lead Developer at Spicetronic

Jul. 2017 - May. 2018

- Setup of production and administration tools on a dedicated server
- Development of a 3D WYSIWYG web application
- Production and testing of electronic prototypes

Education



Electronics Testing and Development Technician at AFPA

Niveau 5

May. 2021 - Apr. 2022

- Specialized training in power electronics
- Electronic board design with KiCad
- Embedded VHDL and C development



Embedded Systems Training at AJC Formations

POEI

Dec. 2019 - Feb. 2020

- C++ development training for embedded systems
- C/C++ refresher
- Learning Qt, Jira, and Buildroot



Master's Degree in Computer Science (5-year degree) at Epitech

BAC +5

Sep. 2012 - May. 2017

- Project-based curriculum (ray tracing, command interpreter, network configuration, Zappy)



Year Abroad at Beijing Jiaotong University

BAC +4

Aug. 2015 - May. 2016

- 4th year of the Epitech curriculum
- ARM embedded systems, IoT, game creation tools, Mandarin



STI Baccalaureate in Electronics Engineering at M.-M. Fourcade High School

BAC

Jul. 2012

- Electronics and computer science specialization
- Graduated with honors