

Anon Version

Feel free to ask per mail for a non redacted CV

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○ Sourcehut

Education

- **Master's degree**, *high school of engineering in computer science with a major in Embedded Systems*
- Test of English for International Communication (**T.O.E.I.C.**), 810 / 990

Experiences

Now

Consumer electronics,

Micro-Controller programming (C++, Bare-Metal - C)
Device remote control through a web interface (Javascript - Bootstrap)
Tooling for other teams / Interface protocol (Python)
Setup integration server, with hardware in the loop (Jenkins)
Hardware bring-up
Custom distribution maintenance (Yocto, shell scripts)



Industry,

FPGA - CPU Communication Optimization (Linux, Assembler)
Application Software enhancement (Linux, C++, ZeroMQ)
Linux based BSPs creation (Elbe, Yocto), including various drivers modifications
Micro-Controller programming (Free-RTOS, C++, Bare-Metal - C)
Improved integration / build system (cmake, bash, groovy, docker)
Maintained legacy projects



Point-of-Sale,

Made a script in **bash** to reset a device to factory settings, with backups, without reboot
Coded a Linux screen driver
Refactored the build system of the company's main project
Optimized the communication between programs using Google Protocol Buffers



Automotive,

Wrote Electronic Control Unit behavior tests in CAPL
Added features to a Web Interface to visualize specific ROS bag files content (JavaScript, Python / Django, C++)
Development in Automated Driving environment:

- Merge data from different sensors to keep tracking obstacles (C++)
- Developed a tool to visualize some ROS bag files data (C++, Qt)



Speed camera alert system, Graduation project,

Made speed camera alert devices communicate between each other using GSM.



Video game studio, Intern,

Used C++ on a strategy video-game: gameplay scripting, display management (2D & 3D), AI

Board games crowd-funding, Intern

Worked on web site front-end (PHP, doctrine)

Visual radio, Intern

Wrote PHP scripts for client data processing

Fast Food, Summer job

Multipurpose employee

Gardening, Part-time job

Cashier

Skills

Computer Science

Programming Languages	C, modern C++ , Zig Assembler basics (read-only)	Operating Systems	ROS, Free-RTOS, Linux Microsoft® Windows™
Script	bash , bats, GNU-Tools , python3	Embedded	Hardware debuggers, Tracers, Logic analyzers SPI, i2c
Build System	make , cmake, Zig , Autotools, conan	Others	Emacs, Neovim, SQLite, docker, Git , $\text{\LaTeX}$ Doxygen, Jenkins SFML, wireshark

Languages

English	Professional Working Proficiency
German	Professional Working Proficiency
French	Native

Interests

Development	Tinkering around with hardware; Coding an emulator ; Playing CTFs Studying new topics (Zig , NixOS, RISC-V, Blender, ...) Visiting Open-Source conferences (FOSDEM, CCC , Zigtobefest ...)
Miscellaneous	Playing recent and old video games Learning E-Guitar; Wood construction; Listening to music; Cooking