

ALEXIA VERNIER

EMBEDDED SOFTWARE/FIRMWARE DEVELOPER

Rue des Entrepôts 6, 1020 RENENS (VD), +41 (0) 79 191 37 15
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PROFILE

I am an enthusiastic and curious engineer looking for opportunities to surpass myself and develop my skills. I am polyvalent and searching for new challenges.

French, Permis B
26 years old, single
Driver license

SKILLS

Programming
Data Analysis
Problem Solving
Embedded Systems
Simulations
CD/CI
Organisationnal skills
Project Management
Git

PERSONNAL PROJECTS

Robotics
Network & Cloud
Electronics
Operating System

LANGUAGES

French Mother tongue
English Fluent
German B1

INTERESTS

Classical music
Martial art
History

WORK EXPERIENCE

EMBEDDED FIRMWARE DEVELOPER (100%)
HIVE-ZOX International, Renens (VD) Jul. 2022 - Present

As an Embedded Developer, I am involved in firmware development, code review, non-regression tests, compliance and research & development. I am collaborating with the platform team and the quality team.

Key skills:

- Microcontroller programming in C (nrf52, nrf53, LP)
- BLE
- Python, Robotframework, Rust, Bash
- Agile development (Jira)

RESEARCH ENGINEER (100%)
EFPL, Lausanne Jan. 2021 - Jun. 2022

I was part of two Innosuisse projects with the industry and my task was to lead research in electromagnetism to develop new innovative products. Key skills:

- Data Analysis
- Finite Element simulations (ANSYS, COMSOL)
- Machine and product development
- Project Management

R&D ENGINEER (100%)
KOMP-ACT SA, Ecublens (VD) Feb. 2020 - Dec. 2020

As an R&D Engineer in a start-up company, I had a wide range of tasks and responsibilities in developing innovative technologies. I was designing embedded software and interfaces as well as conducting product testings.

Key skills:

- Electromagnetic system development
- Microcontroller Programming in C
- HTML/CSS Graphic User Interface design

EDUCATION

Master degree EPFL, 2018-2020
Applied Physics, Minor in Microengineering

EPFL

Bachelor degree EPFL, 2014-2018
Physics

EPFL