VICTOR FREYSSINET

Embedded system engineer

- Schweinfurt, Germany
- Clean driver license
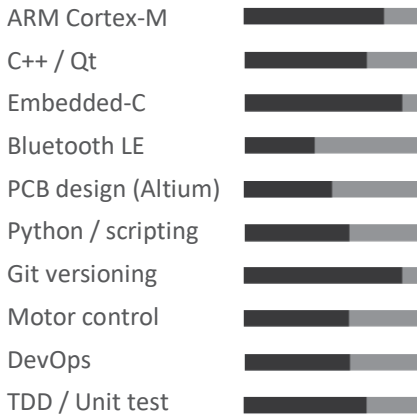- victor-freyssinet.com
- vfreyssinet@gmail.com
- On request
- vfreyssi

PROFILE

I currently work in the exciting field of E-bike development, designing and programming complex systems involving sensors, microcontrollers, and motors. Working in a dynamic cross-functional environment with skilled professionals, I am motivated by the constant challenge to create reliable and efficient products that push the boundaries of what is possible. I thrive on discovering new technologies, honing my skills, and collaborating with talented colleagues. As an enthusiastic learner and dedicated problem-solver, I am committed to delivering results that exceed expectations
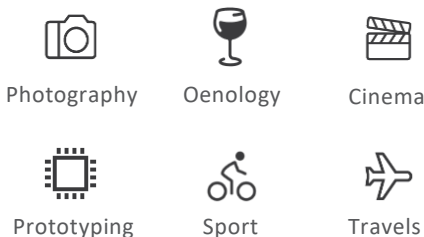
SKILLS

- ARM Cortex-M
- C++ / Qt
- Embedded-C
- Bluetooth LE
- PCB design (Altium)
- Python / scripting
- Git versioning
- Motor control
- DevOps
- TDD / Unit test

LANGUAGES

English	– Fluent C1
German	– Intermediate B1
French	– Mother tongue

INTEREST

- Photography
- Oenology
- Cinema
- Prototyping
- Sport
- Travels

EXPERIENCE

Embedded Systems engineer – Ebike development
SRAM LLC / Schweinfurt, Germany / Jan.2022-today

- Continuous improvement and development of the firmware of the Ebike (CAN bus integration, Diagnostic Service)
- DevOps practices with Gitlab – speed up by 50% release speed and reduce by 50% debugging time
  - Test automation
  - CI pipeline
  - Containerization
- Cross-functional leading management

Embedded Software engineer – Ebike development
SR Suntour Europe GmbH / Valley, Germany / Jan.2020-Dec.2022

- Continuous improvement and integration of the firmware of the Ebike (CAN bus integration, Sleep mode, Assistance mode …)
- Re-design of the PCB of a USB-CAN dongle and of a logging unit
- Development of a diagnostic tool in C++ / Qt
- Integration of a CAN bootloader
- Support for different international team regarding of the integration of the systems in the Ebike

Field application engineer – VIE program
AKKA GmbH / Sindelfingen, Germany / Sept.2018-Jan.2020

- Management of the construction and continuous development of HIL integration on a test bench
- Development and updates of the test bench (Hardware and Software)
- Commissioning of the new ECUs on test benches (USA)
- Requirement's analysis and verification of simulation models
- Software development C++

Embedded systems engineer – Internship
Liebherr France SAS / Colmar, France / 2018

- Designing the electronic architecture of an excavator simulator
- Programming AVR microcontroller (Arduino)
- Bus communication used: CAN J1939, SPI and UART
- Simulating sensors with 4-20mA current loop, resistors, …
- Developing the software written in C++ with QT library
- 2D-animation of the excavator

EDUCATION

Engineering diploma in Mechatronics / Master Degree
Polytech Annecy, France / 2013-2018

High-School diploma in Engineering science
Lycée de la Plaine de l'Ain, France / 2010-2013