

ALESSANDRO GIOVE

Embedded Software Engineer

To receive my complete CV, please contact me on my website (www.alessandrogiove.com).



WORK EXPERIENCE

Embedded Software Engineer

Helbling Technik Bern AG

📅 July 2024 – Ongoing 📍 Liebefeld-Bern, Switzerland

- Developed firmware for coffee machines. Worked with: C++, FreeRTOS, Python, Pytest, Catch2, Git, GitLab, CMake, Polarion, VSCodium, ARM Cortex-M, STM32, Design Patterns.

Embedded Software Engineer

Johnson Electric Switzerland AG

📅 November 2019 – June 2024 📍 Murten, Switzerland

- Developed firmware for automotive BLDC HVAC actuators following the ASPICE process. Worked with: C, Keil, MISRA C, V-Model, ASIC, ARM Cortex-M, Helix, Git, GitLab.
- Developed software tools to program the ASIC in boot mode and for the verification phase of the firmware. Worked with: Qt, Python, PEP8, LIN, RS232, JSON, SVN.
- Implementation of scripts for the validation/integration tests of valve actuators to be used in automotive systems. Worked with: CANoe, CAPL, Vector tools.

Embedded Software Engineer

Pegaso Quality Service (Pegaso S.r.l.)

📅 June 2017 – October 2019 📍 Strambino, Italy

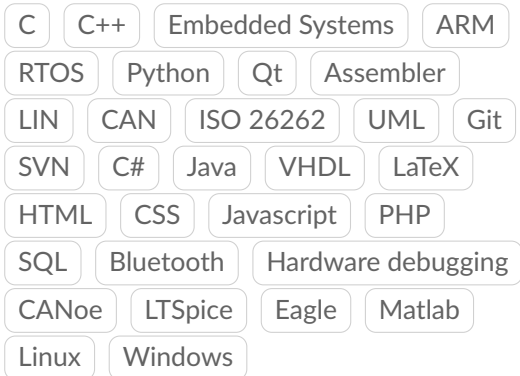
- Developed several firmware of automotive HVAC ECUs following the ASPICE process. Worked with C, CAN, LIN, SPI, I2C, PID, diagnostic services, diagnostic tools (CDA and Dianalyzer), Renesas and Freescale microcontrollers, GHS Multi IDE, CodeWarrior, MISRA C, V-Model, Redmine.
- Developed test automation software tools used by the validation team to test the firmware. Worked with C++, Qt, XML and C#.

Java EE developer

Blue Reply S.r.l. (subsidiary of Reply S.p.A.)

📅 September 2016 – June 2017 📍 Torino, Italy

SKILLS



EDUCATION

M.Sc. in Electronic Engineering

Politecnico di Torino

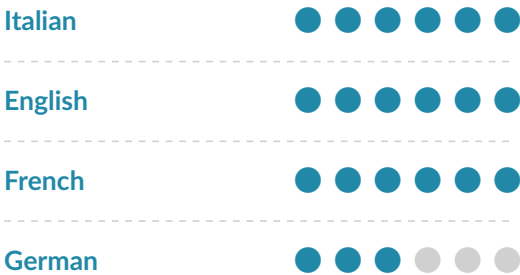
📅 July 2016 📍 Torino, Italy

B.Sc. in Electronic Engineering

Politecnico di Torino

📅 March 2013 📍 Torino, Italy

LANGUAGES



INTERESTS

- Hiking
- Reading books
- Finance and stock market
- Language learning