

# ALESSANDRO GIOVE

## Embedded Software Engineer

▶ If you need my personal information and my complete CV, you can contact me on my website ([www.alessandrogiove.com](http://www.alessandrogiove.com)). ◀

## WORK EXPERIENCE

### Embedded Software Engineer

#### Johnson Electric Switzerland AG

📅 November 2019 - Ongoing 📍 Murten, Switzerland

- Developed firmware for automotive BLDC HVAC actuators following the ASPICE process. Worked with: C, Keil, MISRA C, V-Model, ASIC, 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 firmwares 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#.
- Developed Android application for a medical device. Worked with Java, JSON and Android.

### Java EE developer

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

📅 September 2016 - June 2017 📍 Torino, Italy

- Development activity within projects of intranet platforms. Worked with JavaEE, SQL, CSS, HTML, JavaScript, Scrum methodology.

## EDUCATION

### M.Sc. in Electronic Engineering

Specialization in design of power and analog electronics

#### Politecnico di Torino

📅 July 2016 📍 Torino, Italy

**Master thesis:** designed an ECU to improve automotive navigation systems when GPS signal is weak or not available. Worked with STM32 Nucleo Boards (ARM Cortex-M4), Bluetooth Low Energy, GPS, CAN bus, Eagle PCB.

### B.Sc. in Electronic Engineering

#### Politecnico di Torino

📅 March 2013 📍 Torino, Italy

## SKILLS

C C++ Embedded Systems ARM  
RTOS Python Qt Assembler  
LIN CAN ISO 26262 UML  
Git SVN C# Java VHDL  
LaTeX HTML CSS Javascript  
PHP SQL Bluetooth LE Linux  
Windows

Hardware debugging Oscilloscope  
Multimeter Function Generator  
DC Power Supply

CANoe LTSpice Eagle Matlab  
Simulink Eclipse Office

## LANGUAGES

Italian ●●●●●●●●

English ●●●●●●●●

French ●●●●●●●●

German ●●●●●●●●

Swedish ●●●●●●●●

Spanish ●●●●●●●●

Legenda  
● = A1  
● = A2  
● = B1  
● = B2  
● = C1  
● = C2

## INTERESTS

🥾 Hiking

📖 Reading books

📈 Finance and stock market

🗣️ Language learning