



# FILIPPO SERAFINI

Advanced Automotive Electronic Engineer

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## EXPERIENCES



### Internship - Innovazione SEE

Ferrari S.p.A., Maranello

MARCH 2019 - MAY 2020

Python scripting, C# development and technical support on different projects in the Innovation Team of Electric and Electronic Systems Development, focusing on Human-Machine Interface (HMI) technologies, Augmented Reality and ADAS.



### UniBo Motorsport - Electronic Division Member

Formula SAE Team - University of Bologna, Bologna

SEPTEMBER 2017 - SEPTEMBER 2018

Worked on the Driver Interface, developing the car's dashboard software from scratch. The software acts on a 4.3" LCD display and on some LEDs to provide useful data and information, received from the main ECU via CAN bus, in an intuitive way.

## EDUCATION



### MSc in Advanced Automotive Electronic Engineering

Motorvehicle University of Emilia Romagna, Bologna

DECEMBER 2017 - OCTOBER 2019

**Final Grade** - 110/110 with Honours

**Dissertation Name** - "Realization of a Proof of Concept of an Augmented Reality Wearable Device"



### BSc in Computer Engineering

Alma Mater Studiorum - University of Bologna, Bologna

SEPTEMBER 2014 - OCTOBER 2017

**Final Grade** - 110/110 with Honours

**Dissertation Name** - "Software per il labeling di immagini per l'addestramento di algoritmi di deep-learning"

## LANGUAGES

**Italian** - Native Speaker

**English** - Fluent - Cambridge FCE

## SKILLS

### Programming Languages

- Python
- C#
- C/C++
- Java
- MATLAB
- JavaScript
- Bash Scripting

### Technical Skills

- Software Development (Git)
- Web Development (HTML5, CSS3, XML, Java EE)
- Database (SQL, IBM DB2)
- Frameworks (.NET, OpenCV, GTK+)
- Game Engine (Unity)
- Platforms (GNU Linux, Microsoft Windows, macOS, Android)
- Embedded Platforms (STM32, PIC32, Arduino)
- Model-based design (Simulink, LabVIEW)
- Automotive Protocols (CAN bus)

### Soft Skills

- Teamwork
- Project Planning
- Adaptability
- Problem Solving
- Creative Thinking

## AWARDS and HONORS

### GEnerA - 2016

**HACKreativity**, a hackathon organized by Fondazione Aristide Merloni.

### LoRa-AID - 2018

**Long Range IoT Hackathon**, an hackathon organized by DEI - Unibo.