



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.