



FILIPPO SERAFINI

Advanced Automotive Electronic Engineering Student

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EDUCATION

Master degree in Advanced Automotive Electronic Engineering

MUNER - Motorvehicle University of Emilia Romagna, Bologna

DECEMBER 2017 - PRESENT

Bachelor's degree in Computer Engineering

Alma Mater Studiorum - University of Bologna, Bologna

SEPTEMBER 2014 - OCTOBER 2017

Final Grade - 110/110 *cum laude*

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

Scientific High School Diploma

Liceo Scientifico Statale Vito Volterra, Fabriano

SEPTEMBER 2009 - JULY 2014

EXPERIENCES

UniBo Motorsport - Electronic Division Member

Formula SAE Team - University of Bologna, Bologna

SEPTEMBER 2017 - PRESENT

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 informations, received from the ECU via CAN bus, in an intuitive way.

(SOME) PROJECTS

Labeler - 2017

Labeling tool realized to create data sets suitable for deep-learning algorithms training, developed in C.

Room8 - 2017

Expenses management application developed in C#.

Python VS Viper - 2018

Revamped version of the classic Snake game. Multi-platform application for Windows, Linux, macOS and Android, developed in Python.

LANGUAGES

Italian - Native Speaker

English - Fluent - **Cambridge FCE**

Spanish - Basic Communication Skills

SKILLS

Programming Languages

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

Technical Skills

- Software Development (Git)
- Web Development (HTML5, CSS3, XML, Java EE)
- Database (SQL, IBM DB2)
- Frameworks (OpenCV, GTK+, .NET)
- Analysis Tools (MATLAB, Simulink)
- Platforms (GNU Linux, Microsoft Windows, macOS, Android, iOS, STM32, Arduino)

Soft Skills

- Teamwork
- Adaptability
- Decision Making
- Problem Solving
- Creative Thinking

AWARDS and HONORS

GEnerA - 2016

Web application *winner* of **HACKcreativity**, an hackathon organized by Fondazione Aristide Merloni.

LoRa-AID - 2018

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