Salvatore Gabriele La Greca

Computer Engineer - Embedded Systems Engineer

Actually studying Embedded Systems. Graduated in Computer Engineer @ Politecnico di Torino. Very and highly interested in Embedded Programming (Bare Metal, Firmwares, Operating Systems) and Electronics Devices (FPGA, SoC, Microcontrollers).

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EDUCATION

MSc Embedded Systems (Computer Engineering)
Politecnico di Torino

09/2020 - Present   *Torino*

BSc Computer Engineering
Politecnico di Torino

09/2016 - 07/2020   *Torino*

PERSONAL PROJECTS

Room Temperature Controller (12/2020 - 01/2021)
- A complex Embedded System composed of several parts that work together in order to maintain under control the temperature of a room entirely engineered from scratch. Arguments covered: *FPGAs* (**VHDL, NIOS II Soft Core Processor, Processor Peripherals, Bare metal programming**), Electronics (my owm ADC and DC Motor Controller), Communication Protocols, and Memories in general.

EUROAVIA Beginner Programming Course (04/2020 - 04/2020)
- A three-day programming course with me and the president as Teachers with the mission of giving to students who followed our course a base knoweledge of what Programming is, the logic behind it and a little introduction with Python.

NASA Space Apps Challenge (10/2019 - 10/2019)
- Our project was called "Sonny", an automated lunar/Mars Rover for rocks mining. We took part in a two day competition at University of Pisa.

AmIRunning (06/2019 - 07/2019)
- A project for my University, done in team, called "AmIRunning". My role in the team was Software & Hardware engineer. We used a lot of different things to realize it such as Python 3.7, Flask, Raspberry Pi, Arduino, Adafruit MotorShield, Servo Motors, various sensors and my experience in software development.

Google Hash Code 2018 (03/2018 - 03/2018)
- Thanks to Google Developer Group Torino!

WORK EXPERIENCE

Blogger
Close-Up Engineering

06/2018 - Present

SKILLS

C/C++   FPGA   System-on-Chip

Programming   VHDL   Arduino

Problem Solving   Project Management

Data Structures   Algorithms   Java   Python

JavaScript   SQL   Bash   Linux

Raspberry Pi   .Net Core   C#   HTTP Web Api

Verilog

ORGANIZATIONS

EUROAVIA PISA (12/2019 - Present)

LANGUAGES

Italian
Native or Bilingual Proficiency

English
Professional Working Proficiency

INTERESTS

Coding   Low Level Coding

Embedded Systems   Videogames   Learning

Engineering   Computers   Space Exploration

Mathematic   Electronics