

# Lorenzo Rossi

Software Developer



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lorossi



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Lorenzo Rossi

## EXPERIENCE

**FREELANCING** WEB DEVELOPER | EMBEDDED DEVELOPER | SOFTWARE DEVELOPER  
October 2020 – Current

- Engaged and completed multiple projects involving both embedded (mostly using ESP32 and Arduino) and desktop (on both Linux and Windows) systems
- Gained important soft-skills like dealing with a vast amount of work and collaborating with people all over the world
- Got the chance to interface myself with the real world outside my university and interact with real life projects

## PERSONAL PROJECTS

**EMBEDDED DEVELOPER** ARDUINO | ESP32/ESP8266 | PIC

- Experience in developing embedded system using microcontrollers
- Development of IoT system for real word data measurements
- Creation of MQTT based systems to interface users with data

**FRONT END DEVELOPER** JAVASCRIPT | HTML5 | CSS

- Development of websites and interactive web programs
- Foundations of web design and creation of user friendly interfaces

**FULL STACK DEVELOPER** JAVASCRIPT | PYTHON

- Development of websites from back to front end, including data analysis and visualizations
- Integration of web services with serverless platforms like AWS Lambda

**VISUAL ARTS DEVELOPER** JAVASCRIPT | PYTHON | JAVASCRIPT | PROCESSING

- Creation of interactive or fully automated digital art projects
- Application of creative coding oriented to make visually appealing videos and images

**GENERAL SOFTWARE DEVELOPER** PYTHON | GO | C | C++ | JAVASCRIPT

- General use software development, including data analysis, visualizations, computational-heavy problem solving
- Participation in multiple online coding challenges, including Advent of Code and Codewars
- Development of libraries and creation of relative documentation using ad hoc tools like Doxygen

## SKILLS

### PROGRAMMING

Proficient:

Python • C • JavaScript  
Go • Processing

Experienced:

VHDL • SQL • Assembly

Familiar:

Java • Shell • Matlab • C++

### LIBRARIES/Frameworks

jQuery • OpenCV • Flask • Django •  
Numpy

### DESCRIPTIVE LANGUAGES

CSS • HTML5 • L<sup>A</sup>T<sub>E</sub>X

### OPERATING SYSTEMS

Windows • Debian based distros •  
Arch based distros

### EMBEDDED DEVELOPMENT

Arduino • AVR/PIC microcontrollers •  
ESP32 • ESP8266 • Raspberry Pi

## EDUCATION

### ITIS GALVANI

SECONDARY SCHOOL DIPLOMA IN  
INDUSTRIAL ENGINEERING  
ELECTROMEDICAL FIELD  
2011 - 2016  
Milano, Italy

### POLITECNICO DI MILANO

BACHELOR IN ELECTRONIC ENGINEERING  
2016 - 2021  
Milano, Italy

### POLITECNICO DI MILANO

MASTER'S DEGREE IN COMPUTER SCIENCE  
AND ENGINEERING  
2021 -  
Milano, Italy