

Lorenzo Rossi

Software Developer



lorenzoros.si



mail@lorenzoros.si



lorossi



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EXPERIENCE

FREELANCING WEB DEVELOPER | EMBEDDED DEVELOPER | SOFTWARE DEVELOPER
October 2020 - Current

- Engaged and completed multiple projects involving both embedded (using ESP32, Arduino and RaspberryPi) 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 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 systems 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
Java • Bash

Familiar:

Matlab • C++ • Haskell

LIBRARIES/Frameworks

jQuery • OpenCV • Flask • Django •
Numpy

DESCRIPTIVE LANGUAGES

CSS • HTML5 • L^AT_EX

OPERATING SYSTEMS

Windows • Debian based distros •
Arch based distros

EMBEDDED DEVELOPMENT

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