Lorenzo Rossi

Software Developer

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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 • LaTeX

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