

Pedrazzoli Daniele

Electrical engineer

App Developer

Embedded system programmer

Recent graduate in Electronic Engineering with experience in designing microcontroller-based systems and developing iOS, Android, and desktop applications for interfacing.

Quick learner, motivated to explore new technologies in electronics and computer science

Work Experience

App developer

Jan 2023 - Feb 2023

Gamma sistemi, Novellara (RE)

Working for occasional work as a developer for an IOS and Android application using the Flutter framework.
Communicating with micro controllers using wireless communication such as WiFi

App developer

Apr 2023 - Sept 2023

Gamma sistemi, Novellara (RE)

Working for occasional work as a developer for an Android application using the Flutter framework that act as a monitor for an external CPU.

Intern

Mar 2019 - Apr 2019

Rebix, Novellara (RE)

Stage for the school. Worked as a welder of THT and SMD components on electronic boards

Education

Università degli studi di Modena e Reggio Emilia

2019 - 2024

Modena - Bachelor degree

Bachelor degree in electrical Engineering

ITIS Leonardo da Vinci

2014 - 2019

Carpi (MO) - High school diploma

High school diploma in the field of Electronics branch of automation



Contact

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Campagnola Emilia (RE), Italy

<https://danielepedrazzoli.github.io>

Area of interest

- Electronics and Embedded System design
- Microcontroller programming

Soft skills

- Curiosity
- Critical thinking
- Analysis
- Attention to details
- Quick learner

Languages

- Italian (native language)
- English (B2)

Skills (Electronics and Embedded)

Hardware

- Welding experience for both THT and SMD components
- Circuit design for micro controller system
- Experience in usage of board STM32x, ESP32, ESP8266, Arduino based board
- Experience with Schematic Editor software like KiCad and Eagle
- Experience with electronic circuit simulator like LTSpice, MC11 and MC12

Network and device communication

- WiFi protocol, BLE and classical Bluetooth protocol
- SPI and I2C protocol for device serial communication

Robotics

- Acceleration and gyroscope based system using quaternions based algorithm
- FIR and IIR Filter design for handle data from sensor in real time
- PLC programming and usage

Skills (Software developer)

Software (frontend)

- HTML, CSS, JavaScript, Typescript knowledge
- Flutter for building Web application
- Flutter for building Mobile Application

Software (backend)

- NodeJS (express) for server side programming
- Flutter framework for desktop and Dart for console application

Programming language experience

HTML and CSS

6 years

JavaScript

7 years

Typescript

4 years

C and C++

8 years

Dart (and flutter SDK)

5 years

Assembly

1 year

Java

Beginner level

Python

Beginner level