

**Federico Nembrini**

♥ Italy, Como

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## Experience

### Full Stack Developer

August 2018 - Present

Gea Advanced Solutions SA, Balerna, Switzerland

Analysis, design and development of business solutions using Microsoft technologies such as web api (asp.net web api), web applications (asp.net web forms and mvc), software applications (console, windows forms) and cross-platform mobile applications (xamarin forms, android and iOS).

Design, development and maintenance of Microsoft SQL databases.

Design and definition of internal process to use during software development and testing.

Design and definition of internal standard of git usage.

Training of new hires.

#### Main Achievements

Developed several web applications (4+) and several mobile applications (8+) for customers ranging from small companies (< 20 employees) to large enterprises (> 500 employees). These also include an application available for Italian citizens to report faults in public lighting in their city.

#### Tech Stack

*C#, ASP.NET (Web Forms, MVC, Web API), Razor, Telerik, T-SQL, Xamarin Forms, NAV/Dynamics NAV*

### Freelancing

January 2021 - August 2022

Development of small applications to automate various tasks requested by customers (10+).

#### Tech Stack

*C#, .NET Core (Console Windows, MacOS and Linux), Python*

### Intern Data Analyst

June 2017 - September 2017

Politecnico di Milano, Como, Italy

Data analysis and collection. Report writing with graphs and statistics in R language.

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## Education

### ITIS Magistri Cumacini

September 2013 - July 2018

Lazzago, Como, Italy

Diploma in Computer Science and Communications

The course of study included programming (C, C++, C#, JavaScript), algorithms, operating systems and networks.

Final Degree 80/100

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## Linguistic Competences

**Italian** - Native

**English** - Fluent - B2/C1

## Digital Competences

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Software Development, .NET Technologies (C#, .NET Framework, .NET Core, Entity Framework, Linq, MVC, Razor Pages, WebForms), Web Development, Web Technologies (HTML, CSS, JavaScript, jQuery, ajax) / Mobile Development / Database Design

### Languages

C#, T-SQL, HTML, CSS, JavaScript, Python, C++, C, Java

### Work Methodologies

Git, DevOps, Design Pattern, Agile

## Projects

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### OctoPrint

2022

Open Source

OctoPrint is a software that offers a web interface used for managing 3D printers. Having used the software in the past, I decided that as a thank you (and as a form of challenge to myself) I could help the project by developing some functionality myself. I successfully closed 3 pull requests by interfacing with the owner and the main maintainers of the project. In the future, I hope to be able to contribute again.

### Tech Stack

Python, Django

### Eye Tracker

2017

Sim-patia

Eye pointer for people with disabilities, made in cooperation with the social cooperative "Sim-patia". The project was developed in Python using the OpenCV library, and in addition to this, the eyeglass frame was produced using a 3D printer to house the camera responsible for tracking eye movements.

### Tech Stack

Python

### Remote Controller

2016

Idea Impresa

Design and presentation of a remote controller for people with disabilities. The remote control was realised with Arduino, using infrared receivers and emitters.

### Tech Stack

C++

## Hobbies

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I am interested in everything related to technology, especially technology applied in the financial world. I am also very interested in open source projects, I love reading code written by others so that I can learn and improve my own. Besides that, I like learning new things.