

LUCA BARONCINI

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Embedded software and firmware developer

Dedicated to planning and creating embedded software and firmware to achieve project objectives for industries such as structural, energy, and automotive.

Dedicated to the implementation of professional GUI (Graphical User Interface) for system monitoring.

Service Profile

Technical Skills

- Junior level in languages: C, Python, C#
- Front-end & Back-end Frameworks
- Test Automation
- Interface design and implementation
- Debuggers, Emulators, Compilers

Soft Skills

- Attention to Detail
 - Strong Problem-Solving
 - Technical Support
 - Teamwork and Collaboration
 - Agile methodologies
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Work Experience

Embedded Software Developer, HI-TEC s.r.l., Milan, Italy

Oct 2021 - Oct 2024

<http://www.hi-tec.it/>

- Role: Development of programs to automate processes and improve the user experience, creation and implementation of professional GUI to monitor systems. Development of embedded firmware to implement microcontrollers to the systems.
- Development environments: NI LabWindows CVI2017, Arduino IDE, Visual Studio 2019, IDLE Python 3.12.
- GUI Development: CVI2017, App Windows Forms, Tkinter.
- Field: Automation and testing systems for automotive, energy and structural monitoring.
- Programming Languages: ANSI C, C#, Python.
- Communication Protocols: UART, I2C, SPI, TCP/IP, RS232, Modbus, CAN, PELCO-D.
- Collaborated to define, design and estimate time and resources for development initiatives.
- Collaborated with hardware development team for system requirement design.
- Provided system customer training and after-sales support.
- Used to work in team to achieve goals.

Languages

- Italian: Native Speaker
- English

Education

English Course, IEC, Milan, Italy

Feb 2024 – Jun 2024

<https://iecentre.it/>

Diploma in electronic and electrotechnical engineering, IIS Majorana, Cesano Maderno (MB), Italy

Sep 2016 – Jun 2021

Result: 94/100

<https://www.iismajorana.edu.it/majoedu/>
