

MATTEO DI IORIO

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PROFILE SUMMARY

Computer Engineering student at University of Bologna with a passion for motorsport. Currently trying out embedded software, but with a background in full-stack web and mobile development.

EXPERIENCE

Embedded Software Engineer at UniBo Motorsport (HY) Mar 2024 — Present

- Co-developing a Battery Management System project in C++ for STM32 Cortex M4 MCUs and Analog Devices LTC series of battery monitors.
- Ensured code quality and maintainability in a RTOS environment.
- Introduced Doxygen documentation and advanced project management tools.
- Coding the main ECU software in LabVIEW RT and FPGA.
- Developing a live telemetry system based on a Grafana (React) frontend and a custom Go backend.

Electronics Division Manager at UniBo Motorsport (HY) Sep 2024 — Present

- Coordinating all division members in the Electronics Division for the Hybrid Vehicle.
- Ensuring smooth project development using GANTT charts and task assignment tools (Kanban-style boards, issue tracking).
- Managing the LabVIEW ECU code.

EDUCATION

High School Diploma at Liceo Scientifico Primo Levi - Scienze Applicate 2017 — 2022

- Graduated with 95/100.

Bachelor's Degree in Computer Engineering at University of Bologna 2022 — Present

- Currently enrolled.

FastBit Embedded Brain Academy 2024 — Present

- Currently following all courses.

SKILLS

- Soft skills: customer service, autonomy, leadership, teamwork, adaptability, problem solving, critical thinking, abstract thinking.
- Code: JS/TS, React, React Native, NextJS, Python, Go, C, C++, MATLAB, Simulink, LabVIEW, Java, JavaFX, CSS, Tailwind.
- Tools: Git, JetBrains IDEs, Eclipse-based IDEs, Jira, Miro, Bitbucket.
- Driving license.

LANGUAGES

Italian Native Language

English B2 to C1