MATTEO DI IORIO

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PROFILE SUMMARY

Computer Engineering student at University of Bologna. Explored multiple areas of Software Engineering, from Embedded to Full-Stack Web Development and Mobile Development, and always looking to learn.

EXPERIENCE

React Native and Full-Stack Software Engineer Intern at LYBRA INC.   Oct 2023 — Jul 2024

- Responsible for Javascript to Typescript migration of a mobile app written in React Native
- Assisted backend developers in NodeJS backend refactoring
- Responsible for startup site hosting and implementation with Mailchimp integration
- Implementation of custom in-app photo and video overlay editor focused on performance, usability and maintainability.
- Usage of Atlassian tools such as Bitbucket and Jira.

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

- Co-developed a Battery Management System project in C++ using 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 Agile workflow practices.

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

- Coordinated all division members in the Electronics Division for the Hybrid Vehicle.
- Increased productivity by implementing Agile workflows with OpenProject.
- Responsible for the vehicle's wiring harness' design and manufacturing.
- Managed LabVIEW ECU code for the SPARK ECU from Alma Automotive, ensuring stable CAN communication and reliable sensor acquisition.

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.

SKILLS

- Soft skills: autonomy, leadership, teamwork, adaptability, problem solving, critical thinking, abstract thinking.
- Code: C, C++, LabVIEW, Python, Go, MATLAB, Simulink, Java, JS/TS, CSS, React, React Native.
- Tools: VSCode, Atlassian suite, Docker, Lucid suite, draw.io, Git, JetBrains IDEs, Eclipse-based IDEs.
- Driving license.

LANGUAGES

Italian	**Native Language**
English	**B2 to C1**