

Leonardo Bove

Graduate Student in
Electronics Engineering

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EDUCATION

University of Pisa Pisa, Italy
MSc Electronics Engineering 2023 – ongoing

- Specialization: Embedded Systems & Mecathronics
- Projects:
 - **Qubase**: superconductor qubit pulse sequencer, based on *Xilinx RFSoc* FPGA, part of the *QICK* project at Fermilab.
 - **Handwritten digit recognition** neural network, implemented on *MAX10* Intel FPGA.

University of Pisa Pisa, Italy
BSc Electronics Engineering 2020 – 2023

- Thesis title: *Dispersive Readout of the Transmon Qubit*
- Degree grade: 110/110 *Cum Laude*

EXPERIENCE

Chief Technology Officer Pisa, Italy
E-Team Squadra Corse, FSAE team 2023 – 2024

- Define and lead the work of the Electronics and AI & Software Development divisions
- Improve reliability and performance of the electric vehicle

Embedded Software Developer Navacchio (PI), Italy
Sintonica s.r.l. Summer 2023

- Develop the driver firmware for TFT LCD displays for a custom embedded OS

PCB Designer and Embedded System Developer Pisa, Italy
E-Team Squadra Corse, FSAE team 2022 – 2023

- Lead the development of the embedded software of the mounted PCB boards
- Develop part of the Vehicle Control Unit software, based on the FreeRTOS real-time OS
- Develop a bootloader via CAN bus, ARM and AVR compatible
- Unit and integration testing of firmware

SKILLS

🔧 Python · C/C++ · MATLAB
Git · Linux · PSoC Creator
Electronic CAD · Spice · ADS
Quartus · Modelsim · Vivado

⚡ Electronics lab instrumentation
Tin soldering · PCB design
AVR/ARM embedded coding
FPGA design · 3D printing

🗣 English · proficient
Italian · native
German · intermediate
French · beginner

OTHER INTERESTS

🎵 Violin

AWARDS

2014 **Best student**
Scholarship from *Fondazione
Cantiere Internazionale
d'Arte di Montepulciano*

EVENTS

2024 Formula Student Germany
2023 Formula Student Germany