



GIACOMO MADELLA

COMPUTER ENGINEER

I'm a researcher with a MSc in Computer Engineering, currently focusing on RISC-V, AI and HPC.

EXPERIENCES

- 2023 –

Research Fellowship, PhD Candidate | UniBo
Currently engaged in research as RISC-V architecture, accelerators for AI and HPC.
- 2023 –

System Administration | MonteCimone RISC-V
Ensured the operational stability of the MonteCimone RISC-V platform. My role involved hardware and software integration, AI system acceleration and performance optimization.
- 2021 – 2023
2 YEARS

UniBo MotorSport | Driverless Team
I joined in a university student project and in particular in the F1tenth race in Philadelphia and Rimini, by being in charge of the software infrastructure division for the AI section of our driverless car.

EDUCATION

- 2021 – 2023

MSc Computer Engineering | UniBo
Acquisition of knowledge related to AI (ML, DL, RL), Quantum Computing (and QML), and Cybersecurity.
with Honors
- 2017 – 2021

BSc Computer Engineering | UniBo
focused on engineering, electronics, and IT subjects.
- 2012 – 2017

High School | Liceo Galileo Galilei
High school applied science diploma

- 2023 – 2023
6 MONTHS

CyberChallenge IT | CCIT
An extensive program comprising a series of competitions, exercises, providing with hands-on experience in vulnerability analysis, penetration testing and cryptography.

PERSONAL INFO

- * 29/11/1998
- +39 366-3441711
- Personal Mail
- Working Mail
- Bologna, Italy

LINKS

- / WebSite
- / GitHub
- / LinkedIn

SKILLS & TOOLS

- C, Python, Bash, C++, Java, MySQL
- Linux, ROS
- Scikit-Learn, SciPy, QISKIT, TensorFlow, PyTorch
- vscode, vim
- L^AT_EX, Markdown, HTML, CSS, SCSS