



FRANCESCO BERTAMINI

Computer engineer

About me

I am a recent graduate with a master's degree in Computer Science. I pursued the ICT Innovation course, which allowed me to develop skills in project supervision and organization, alongside refining my technical expertise. I am a team player who enjoys hands-on work, problem-solving, and finding effective solutions by accurately understanding product requirements. I have experience with web and mobile application development technologies. I am proficient in database systems and have basic knowledge of data mining techniques. I have a strong interest in IT solutions related to robotics and IoT. I am skilled in gathering and structuring information to optimize workflows. I am motivated and eager to learn new tools and techniques, always open to constructive discussions. I prefer a direct approach in the workplace. I value clarity, punctuality, and integrity. I dislike a limited perspective and enjoy exploring and trying as many engaging experiences as possible.

Some of my projects

- **2019** Developed a web application for the hypothetical management of a regional healthcare system.
- **2020** Built an application to collect, visualize, and manage sensor data from a construction site to monitor structural stability.
- **2021** Created an Android app for gym, personal trainer, coach, and user management.
- **2022** Designed a demo application for smart home automation based on a microservices architecture.
- **2024** Developed an experimental prototype of an AI-driven self-evolving application.
- **2024** Contributed to the reCluster research project for an integrated, sustainable, and efficient clustering system that reuses decommissioned hardware.
- **2020 - Ongoing** 3D printing, debugging, and firmware tuning.
- **2024 - Ongoing** Assembly and configuration of a CNC machine for aluminum processing, based on GRBL firmware.
- **2024 - Ongoing** Development of a robot prototype using and learning ROS.
- **2023** Designed and configured a hotel's local network, including router and switch setup.

Degree

2024 Master's Degree in Computer Science, ICT Innovation path, Software and Service Architecture area, University of Trento.

Contacts

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Skills

- Business plan development.
- Team activity organization and workflow coordination.
- Server applications in NodeJS or Java.
- Front-end development using Bootstrap.
- Web applications in AngularJS.
- Prototyping tools such as Axure RP or Adobe XD.
- UI graphic design with Adobe Illustrator.
- SQL databases like PostgreSQL, MySQL, or SQLite.
- Basic data mining techniques.
- Firmware development for microcontrollers in C/C++.
- Basic knowledge of OpenCV.
- Linux-based operating systems.
- Networking, OpenWRT.
- Requirements engineering.

Languages

- **Italian:** mother tongue.
- **English:** fluent (Cambridge B2 certification).