Giacomo Romanini

EDUCATION

2022-JULY 2025

Università di Bologna, highest mark in

Master in Computer Engineering

- Scalable and Reliable Services: best practices and approaches over cloud technologies. Project in realizing a scalable architecture over Azure
- Software Systems Engineering: analysis and development organized in sprints.
- Processors: pipeline and out-of-order execution on modern processors.

Erasmus at Vilnius' VGTU:
- Intelligent Systems: FNN, training and backpropagation.
- Iot: project over microcontrollers and server communication for low energy systems.

2018-2022

Università di Bologna

Bachelor in Computer Engineering

- Software Engineering: requirements, use cases and risk analysis to define the problem and create the architectural model. Definition of ER domain, classes structure and tests.
- Operating Systems: coordination of processes and tasks in a time and memory sensitive environment.

2013-2018

Liceo Ettore Majorana, San Lazzaro di Savena (BO)

High School of Applied Sciences

Scientific specialization with programming lessons

WORK EXPERIENCE

MAR 2021 - FEB 2024

Luna Srl, Bologna

Junior Developer

- Developed programs and applications, defining processes flows and use cases.
- Maintained of a web-browser management app. Solved deleted references and many to many relationships' orphans problems. Reduced by 66.7% the initial loading time, and halved some data retrieval time by optimizing SQL queries.

APR 2017 - JULY 2017

123FATTO, Pianoro

Technical Support

Hardware and Software analysis and testing to build, repair and optimize clients' computer.
Store management and clients relationship.

MAY 2016 - JUNE 2016

ANT Italia, Bologna

Internal Technical Support

Hardware and Software maintenance and support, collaborating with technicians and associates to solve office stations' and server's problems.

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https://github.com/RedDuality/

PROJECTS

ONGOING	**WYD (Front End, Back End)** *Multi-platform scalable event sharing app, with auto media retrieval*
2025	**B. Future Challenge** *KIP*
2024	**Forward for snitch (Github)** *Parallelization of llama2's forward function over Risc-V 8-core spike cpu*
2023	**Intelligent Systems (Github)** *Creation and training of Neural Networks*
2023	**Virtual-Robot (Github)** *Software Engineering project, based on actors*
2021	**Farmabyte (Github)** *Software Engineering project, with problem analysis*

SKILLS

TECHNICAL	Java, Spring, C#, C, Go, Angular, Flutter, React, SQL, MongoDB, git, Docker, Arduino, MATLAB
ORGANIZATIONAL	Agile, Process Design, Strategy Dev., Nonviolent Communication, Coordination
LEARNING	Security, DevOps, Kubernetes, game developing, photo editing
ADDITIONAL	Scout leader, Driving licence B, Italian C2, English C1, Guitar