Giacomo Romanini

EDUCATION

✎ Via Adriano Colombo 71, 40065, Pianoro (BO), Italy

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⌂ https://github.com/RedDuality/

2022-JULY 2025

Università di Bologna

Master in Computer Engineering

Scalable and Reliable Services: Best practices and approaches over cloud technologies. Project in realizing a scalable architecture over Azure

Erasmus at Vilnius Gediminas Technical University:

Intelligent Systems: Theory and lab lessons over CNN, FNN, training and backpropagation.

Iot: Project with microcontrollers and server communication for low energy systems.

Software Systems Engineering: project with a domain-specific language with actors and contexts. Analysis and development organized in sprints.

Processors: Pipeline and out-of-order execution on modern processors. Project over parallelization on an 8-core cpu.

2018-2022

Università di Bologna

Bachelor in Computer Engineering

Software Engineering: Designing and developing a project from zero analysing requirements, use cases and risks, analysing the problem and creating the architecture model, from the domain to the logic structure and interaction to tests. And then implemented it.

Operating Systems: covered parallelization and coordination of processes and tasks in a time and memory sensitive environment.

2013-2018

Liceo Ettore Majorana, San Lazzaro di Savena

Scientific specialization with programming lessons

WORK EXPERIENCE

MAR 2021 - FEB 2024

Luna Srl, Bologna

Junior Developer, Software Designer

Maintenance and development of a web-browser based management app. Developed a solution to archive objects, in order to solve deleted references problems and many to many relationships' orphans problem. Optimized by two-thirds the loading page by coordinating permissions requests, and by half the loading of some data, by optimizing SQL queries removing unnecessary joins and implementing pagination. Developed other programs and applications defining processes flows and use cases.

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.

PUBLIC PROJECTS

ONGOING	**WYD (Front End, Back End)** *Multi-Instance Event Sharing application*	
2023	**Intelligent Systems (Github)** *Creation and training of Neural Networks*	
2023	**Virtual-Robot (Github)** *Software Engineering project, with sprints*	
2024	**Forward for snitch (Github)** *Implemented llama2's forward function over Risc-V 8-core cpu*	
2021	**Farmabyte (Github)** *Software Engineering project, with problem analysis*	

SKILLS

TECHNICAL	Java, C#, C, Angular, Typescript, React, Spring, Docker, SQL, PostgreSQL, git, JSON, Arduino, MATLAB, go
ORGANIZATIONAL	Agile, Process Design, Strategy Development, Nonviolent Communication, Coordination
STUDYING	Flutter, Swift, Security, DevOps, game developing, photo editing
OTHER	Scout leader, Driving licence B, Italian C2, English C1, Guitar