

Summary

Currently pursuing a Master's degree in Computer Science at Politecnico di Milano. Actively challenging myself to build personal projects with new programming languages to expand my practical hands-on skills.

Education

Politecnico di Milano

M.Sc. IN COMPUTER SCIENCE AND ENGINEERING

Milan, Italy

Feb. 2024 - Present

- Relevant courses include Computer Security, Advanced Computer Architectures, GPUs & Heterogeneous Systems.
- Courses deal with languages such C, C++, CUDA, x86 ASM.

Politecnico di Milano

B.Sc. IN COMPUTER SCIENCE AND ENGINEERING

Milan, Italy

Sep. 2020 - Feb. 2024

- Relevant courses include Data Structures & Algorithms, Databases, Computer Architectures & Operating Systems.
- Developed many projects to gain confidentiality with programming languages and tools such C, Python, Java, RISC-V ASM, SQL, VHDL.

Projects

Expressway Route Planner

COURSE PROJECT - C

Milan, Italy

Aug. 2023 - Sep. 2023

- Devised an efficient route planning algorithm for an expressway, fulfilling strict time and memory constraints.
- Constructed search tree structure and BFS algorithm from scratch.

MyShelfie Game

COURSE PROJECT - JAVA

Milan, Italy

Apr. 2023 - Jun. 2023

- Led a 4-person team in developing a client-server app that reproduced the MyShelfie table game, completing it with over 30,000 lines.
- The MVC pattern was adopted, developing a core model along with an optimized client-server network controller and a responsive GUI.

Vectorial Demux Memory Reader

COURSE PROJECT - VHDL

Milan, Italy

Apr. 2023

- Designed an efficient FPGA model for custom system requirements.
- Operating at a low structural level allowed perfect time optimality.

Secret/Wisp Password Manager

PERSONAL PROJECT - RUST, C++

Milan, Italy

Oct. 2023 - Aug. 2024

- Built a CLI password hash generator to simplify multi-device authentication without the complexity of centralized password databases.
- Prototyped in Rust, final implementation developed in C++.

Skills

Tools SQL, VHDL, Git, Linux, Bash, LaTeX

Programming C, C++, Rust, Python, Java, ASM, CUDA

Languages Italian, English

Certifications

2023 **English ETS TOEIC Test**, score: 930/990

Milan, Italy