Francesco **Ostidich**

COMPUTER SCIENCE ENGINEER

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Passionate about complex systems design. Fast learner with hands-on approach.

Education

Politecnico di Milano
Milan, Italy

M.Sc. IN COMPUTER SCIENCE AND ENGINEERING   *Feb. 2024 - Present*

- Relevant courses include Computer Security, Artificial Neural Networks & Deep Learning, GPUs & Heterogeneous Systems.
- Focused on applied software engineering, with hands-on projects in full-stack development, diverse database systems, mobile programming, basic cloud integration, and GPU programming. Gaining practical experience with **modern technologies** and **system design**.

Politecnico di Milano
Milan, Italy

B.Sc. IN COMPUTER SCIENCE AND ENGINEERING   *Sep. 2020 - Feb. 2024*

- Relevant courses include Data Structures & Algorithms, Databases, Computer Architectures & Operating Systems.
- Built a solid foundation in programming fundamentals, including algorithms, client-server systems, low-level and OOP principles, and FPGA modeling. Developed multiple projects emphasizing **algorithmic thinking** and **component interaction**.

Projects

Students & Companies Website
Milan, Italy

COURSE PROJECT - C#, SQL   *Oct. 2024 - Feb. 2025*

- Led a 3-person team to develop a **full-stack** internship discovery platform with over 10 000 lines of code.
- Built **REST APIs** in ASP.NET and designed a **MySQL database**, applying a three-tier, clean architecture, and distributed MVC pattern.
- Achieved **100% integration test coverage** on all REST APIs to ensure robust and reliable backend behavior.

Secret/Wisp Password Manager
Milan, Italy

PERSONAL PROJECT - RUST, C++   *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++.
- Handled edge cases and ensured cross-platform support, focusing on secure hashing logic and robust command-line behavior.

Well MEing App
Milan, Italy

COURSE PROJECT - SWIFT, PYTHON, NOSQL   *Mar. 2024 - Jun. 2024*

- Led a 5-person team in developing a **client-server** iOS app for tracking wellness habits, completing it with almost 10 000 lines.
- Used **Firebase** for the backend, deploying a NoSQL DB, two AI-based modules, and APIs for data upload and AI-powered content generation.
- **Stress-tested with 30+ users** to validate logic; optimized backend and cloud configs to ensure sub-100ms request latency.

Skills

Programming	C, C#, Java, Swift, C++, Rust, Python, ASM, CUDA
Tools	Git, SQL, NoSQL, Docker, Bash, VHDL, LaTeX, Neovim
Languages	English (fluent), Italian (native)

Certifications

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