

# Samuele Franchi

SOFTWARE ENGINEER

Pisa, Italy

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“Never give up.”

## Summary

Passionate Software Engineer with an insatiable appetite for problem-solving and innovative solutions. My approach combines technical excellence with a growth mindset, seeing each project as an opportunity to expand my expertise and push beyond conventional boundaries. Driven by a competitive spirit that constantly pushes me to raise the bar with each new endeavor.

## Education

### Università di Pisa

MASTER IN COMPUTER SCIENCE

Italy, Pisa

Sep. 2024 - Oct. 2026 (Expected)

### Università di Pisa

BACHELOR IN COMPUTER SCIENCE

Italy, Pisa

Sep. 2021 - Jul. 2024

## Work Experience

### Net7 SRL

AI CHATBOT DEVELOPMENT

Pisa, Italy

Feb. 2024 - Jun. 2024

- Developed a recommendation system for E-RIHS utilizing the technique of Retrieval-Augmented Generation via Langchain.
- Provided various invocable AI models with the Langserve REST API.
- Data management via Elasticsearch vector database, for efficient data retrieval and storage.
- Separation of concerns via Docker containerization of microservices, ensuring scalability and maintainability.
- Created a simple user interface via Streamlit to facilitate the API testing procedure by developers.
- Conducted AI system validation resulting in 83% of overall precision.

## Extracurricular Activity

### CyberChallenge.IT CTF

SYSTEMS ENGINEER + CTF PLAYER

Italy, Pisa-Turin

Jul. 2024

- Selected as one of 20 participants from over 100 applicants for the cybersecurity training program.
- Completed the training program in binary exploitation, reverse engineering, cryptography, hardware security and web security.
- Distinguished as one of the top 6 performers in the Jeopardy-style local CTF and selected to represent the organization in the final competition.
- Secured 6th place out of 43 teams in the national finals, competing against top-tier cybersecurity talents in an Attack/Defense CTF.

## Skills

Back-end	Firebase, FastAPI
Front-end	React, HTML5, Bootstrap
Programming	C, Java, Python, Rust
Languages	Italian, English

## Hobbies

Sports	Motocross, Basketball
Physical Wellness	Bodybuilding, Nutrition Optimization
Personal Growth	Investment Strategy, Financial Planning