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   *Italy, Pisa*
MASTER IN COMPUTER SCIENCE   *Sep. 2024 - Oct. 2026 (Expected)*

Università di Pisa   *Italy, Pisa*
BACHELOR IN COMPUTER SCIENCE   *Sep. 2021 - Jul. 2024*

Work Experience

Net7 SRL   *Pisa, Italy*
AI CHATBOT DEVELOPMENT   *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   *Italy, Pisa-Turin*
SYSTEMS ENGINEER + CTF PLAYER   *Jul. 2024*
- Selected as one of 20 participants from over 100 applicants for the cybersecurity training program, covering binary exploitation, reverse engineering, cryptography, hardware security, and web security.
- Distinguished as one of the top 6 performers and selected to represent the organization in the elite final competition team.
- Secured 6th place out of 43 teams in the national finals, competing against top-tier cybersecurity talents.

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