

Samuele Franchi

SOFTWARE ENGINEER

Italy, Pisa

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“Never give up.”

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

Istituto Carlo Emilio Gadda

HIGH SCHOOL DIPLOMA IN IT AND TELECOMMUNICATIONS

Italy, Fornovo di Taro

Sep. 2016 - Jun. 2021

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.

P.B.L. Performing Beyond Limits

OPERATIONS MANAGEMENT INTERN

Rubbiano di Solignano, Italy

Jun. 2020 - Aug. 2020

- Managed orders for materials required for the production line, ensuring timely availability to meet production demands.
- Organized and maintained the warehouse, optimizing layout for efficient material flow and accessibility.
- Conducted regular inventory checks to monitor stock levels and prevent shortages or overstock situations.

P.B.L. Performing Beyond Limits

3D MODELING INTERN

Rubbiano di Solignano, Italy

Jun. 2019 - Jul. 2019

- Utilized SolidWorks for complex 3D modeling projects, creating detailed mechanical components.
- Generated precise 2D technical drawings with comprehensive measurements for physical manufacturing.
- Managed orders for the manufacturing facility, coordinating with suppliers to ensure timely procurement of materials as needed.

Bardiani Valvole SPA

WEB DEVELOPER

Fornovo di Taro, Italy

Nov. 2020 - Jun. 2021

- Developed and deployed a full-stack web portal to optimize various sizes valves packaging and as a result improve shipping efficiency.
- Architected and implemented a database solution using PHP and MySQL.
- Built responsive front-end interfaces using HTML, CSS and JavaScript with Bootstrap framework.

Autodromo Riccardo Paletti

WEB DEVELOPER

Varano de' Melegari, Italy

Nov. 2018 - May 2019

- Engineered a comprehensive event management system handling real-time racing events, vehicle tracking, and participant management.
- Developed a scalable frontend using HTML5, CSS3, and Bootstrap, ensuring responsive design across devices.
- Implemented complex data management solutions using JSON and JavaScript + jQuery.

Università degli Studi di Parma

WEB DEVELOPER

Parma, Italy

Jan. 2019 - Jan. 2019

- Designed and developed responsive web pages for the university's official website using Drupal CMS.
- Usage of HTML and CSS.

Extracurricular Activity

- 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.

Certificates

- 2021 **European Computer Driving Licence (ECDL)**, IISS Carlo Emilio Gadda Fornovo
- 2018 **AutoCAD Certification**, IISS Carlo Emilio Gadda Fornovo

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