

Federico Silvestri

PERSONAL DETAILS

<i>Birth</i>	January 14, 1997
<i>Address</i>	via Provinciale Colligiana 4, Massa e Cozzile (PT), Italy
<i>Phone</i>	(+39) 344 6761408
<i>Mail</i>	silves.federico@gmail.com
<i>Linkedin</i>	https://www.linkedin.com/in/federico-mattia-silvestri/
<i>Website</i>	https://fsilvestri.me

EDUCATION

Ph.D in Computer Engineering	2026 - 2029
<i>Scuola Superiore Sant'Anna (Pisa, Italy)</i>	
MSc. in Computer Science (AI Curriculum)	2020 - 2024
<i>University of Pisa (Italy)</i>	
Thesis: "A Reproducibility study of Variance-Aware Quantization"	
Final mark: 110/110 cum laude Date: 11/10/2024	
BSc. in Computer Science	2017 - 2020
<i>University of Pisa (Italy)</i>	
Thesis: "Exploring BM25P hyperparameters space"	
Final mark: 98/110 Date: 24/07/2020	
High School Diploma in Computer Science	2011 - 2016
<i>I.T.T.S. Silvano Fedi - Enrico Fermi (Italy)</i>	
Final mark: 83/100	

WORK EXPERIENCE

Junior Backend Developer	2014-2017
<i>DivisibleOdd S.r.l.s.</i>	
Designed and developed a management system leveraging Django for the backend and scikit-learn for machine learning components. Integrated existing regression and classification models into a modular UI toolkit, enabling AI-driven decision support for textile and logistics sector workflows.	
CTO	2017-2019
<i>DivisibleOdd S.r.l.s.</i>	
Led cross-functional teams delivering AI solutions for SMEs. Applied neural networks and optimization techniques to real-world business problems.	
Head of R&D	2021-2022
<i>Vedrai S.p.A.</i>	
- Designed AWS-based data lake architecture - Selected storage solutions for full-text and time-series data - Built internal APIs connecting data infrastructure to services	

IT Manager

2021–2024

Vedrai S.p.A.

Led company-wide transition to ISO/IEC 27001 certification and SOC 2 compliance. Directed infrastructure and security redesign, ensuring compliance across software and hardware systems. Successfully achieved ISO 27001 certification.

Research Scholarship Holder

2025

University of Pisa

Awarded a 4-month research scholarship to contribute to the COLLAGE Project (Prof. V. Lomonaco). Conducted analysis of LoRA models and similarities between adapters.

PhD Grant Winner

2025

University of Pisa

Awarded two PhD scholarships, Artificial Intelligence (National PhD Program) and Computer Science.

AI Trainer for School Teachers

2026

Scuola Futura – Fondazione Franchi

Delivered AI training for lower and upper secondary school teachers as part of Scuola Futura, the professional training initiative promoted by the Italian Ministry of Education and Merit (MIM). The course focused on Agentic AI, AI agents, and the European regulatory framework for Artificial Intelligence, including the EU AI Act.

PhD Grant Winner

2026

Scuola Superiore Sant'Anna (Pisa)

Awarded PhD scholarship, Cyber-physical Systems, TeCIP Institute, accepted.

OTHER EXPERIENCES

External Teacher

2017-2020

Istituto Comprensivo B. Pasquini, Massa e Cozzile (PT)

Teaching cryptography, computer science and mathematics.

Counselor

2021

University of Pisa (PI)

Part-time Teaching Assistant for the Advanced Software Engineering course.

Teacher

2022-

Superprof.it

Online Computer Science and Mathematics teacher.

SELECTED ACHIEVEMENTS

- Awarded three PhD scholarships in Artificial Intelligence and Computer Science
- Led ISO 27001 certification process successfully
- CTO at 20 years old in AI startup

SKILLS

<i>Languages</i>	Italian (mother tongue)
	English (Level B2)
	Spanish (Level A1)

TECHNICAL SKILLS

<i>Languages</i>	Italian (native), English (B2), Spanish (A1)
<i>Programming</i>	C, C++, Rust, Python, Java, Bash, OCaml, SQL
<i>AI & Data</i>	Machine Learning, Information Retrieval, Data Analysis
<i>Frameworks</i>	PyTorch, Keras, Scikit-learn, FastAPI, Django, Flask
<i>Cloud</i>	AWS, Docker, Kubernetes, CI/CD
<i>Tools</i>	Git, GitHub, GitLab
<i>Systems</i>	Linux, macOS

Open source enthusiast and contributor.

OTHER

<i>Driving License</i>	A, B
------------------------	------

I hereby authorize the processing of my personal data in accordance with applicable data protection laws, including Legislative Decree No. 196/2003 and the General Data Protection Regulation (EU Regulation 2016/679)