



Lorenzo Molinari

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EDUCATION

•Double Degree Master of Science in Informatics

September 2024 - July 2025

Joint double-degree program Università della Svizzera italiana, Lugano & Università degli Studi di Milano-Bicocca, Milan

2023 - 2025

Thesis: Privacy Leakage of Counterfactual Explanations in Federated Learning

• Bachelor of Technology in Security of Systems and Networks (Cybersecurity)

Università degli studi di Milano, Milan, Italy

2020-2023

Thesis: A Collaborative Editor For Text Annotation, Supervisor: Prof. Paolo Ceravolo

• High school, Technological sector, Information Systems and Telecommunications Specialization

ITIS Enea Mattei, Sondrio, Italy

2015-2020

PROFESSIONAL EXPERIENCE

•Associate Software Engineer

April 2026 - Present

adesso Schweiz AG, Lugano, Switzerland

- Followed development of 3 enterprise-level applications built with OutSystems.
- Supported the introduction of Agentic AI solutions within the team, contributing to AI-assisted workflows and autonomous capabilities.
- Engineered and presented a business process automation solution using Microsoft Power Automate.
- Worked in a consulting environment with focus on delivery, automation and scalable internal productivity improvements.

•R&D Engineer and Security Engineer

October 2025 - March 2026

4IT Solutions, Gravesano, Switzerland

- Led R&D and automation initiatives using Python and PowerShell, saving 250+ hours annually.
- Managed enterprise endpoints and global policies with Microsoft Defender for Endpoint and Intune.
- Handled 100+ internal alerts and 200+ external tenant alerts, supporting rapid incident response.
- Designed and executed phishing simulations and awareness programs for 300+ users.
- Prototyped Agentic AI solutions for autonomous operations and trustworthy systems.

•Teaching Assistant

February 2025 - July 2025

Università della Svizzera italiana, Lugano, Switzerland

- Assisted Professor Silvia Santini in the course *Ethics in Computing*.
- Delivered laboratory sessions and supported practical student activities.
- Evaluated 50+ assignments and projects and provided feedback aligned with academic standards.
- Managed 2 practical assignments and helped integrate ethical considerations into computer science education.

•Network Manager

December 2021 - December

2024

Bormio FIS Alpine Ski World Cup, Bormio, Italy

- Managed and maintained critical, high-availability network infrastructure for international ski sporting events.
- Deployed routers, firewalls, wireless access points, switches, and broadcast systems for temporary event ecosystems.
- Ensured stable connectivity and zero-downtime operations for more than 10 media vendors.

•Web Developer

August 2020 - February

2023

UnitBit, Bormio, Italy

- Built and optimized 5+ responsive websites using HTML, CSS, and JavaScript.
- Managed maintenance, troubleshooting, and performance improvements for client websites.

CERTIFICATES

- **AttackIQ** Foundations of Operationalizing MITRE ATT&CK v13
- **IBM** Cybersecurity Fundamentals; Penetration Testing, Incident Response and Forensics
- **USI** Cyber Security Awareness
- **Cisco** Cybersecurity Essentials
- **AI & GenAI** Generative AI: Impact, Considerations, and Ethical Issues
- **Languages** IELTS Academic 7.5; English B2; German Elementary

ACHIEVEMENTS

- **Forbes Top Graduate 2025** 2025
Recognized among Forbes Italia’s top degree theses for innovation, research, and social impact Forbes Italia
- **Autumn Semester Best Project Presentations** 2024
Selected for presentation of the Smart Angler project in Mobile and Wearable Computing USI Università della Svizzera italiana
- **Double Degree Scholarship** 2024
Merit-based scholarship awarded for the joint MSc program in Informatics Università degli Studi di Milano-Bicocca

RELEVANT PROJECTS

- **Smart Angler** 2025
Android application for fishing experience enhancement with image recognition and GPS-based session management Android Studio, Java, Gemini, OpenStreetMap, Camera2 API
 - Developed a native Android app with real-time recognition capabilities.
 - Implemented location tracking and session management features.
- **DLoan** 2025
Decentralized loan management application for distributed systems coursework Node.js, React.js, Solidity, Hardhat, Ethers.js, MetaMask
 - Designed smart contracts for decentralized finance use cases.
 - Built a responsive web interface with blockchain interaction.
- **SmartTrainer UX/UI** 2025
UX/UI project for athletes and trainers focused on a centralized mobile experience Research, prototyping, usability testing
 - Conducted user research with questionnaires and interviews.
 - Created storyboards, prototypes, and pilot-tested the concept.
- **K-anonymity, Samarati and Mondrian Algorithms** 2024
Comparative analysis of privacy-preserving data anonymization algorithms Python, Pandas, Matplotlib
 - Implemented and analyzed classical privacy-preserving anonymization methods.
 - Compared performance and trade-offs across approaches.

TECHNICAL SKILLS AND INTERESTS

- **Programming Languages** Python, Java, Kotlin, C, JavaScript, HTML5/CSS3
- **Core Competencies** Node.js, React.js, Git, VS Code, Hardhat, OutSystems, Power Automate, Webflow, Microsoft Defender, Intune, Microsoft solutions, Cybersecurity, AI, Low-code
- **Professional Skills** Problem-solving, technical teaching, teamwork, research & analysis

LANGUAGES

- **Italian** Native
Mother tongue
- **English** Excellent
C1/C2 Level, IELTS 7.5 overall
- **Deutsch** Limited
A1 Level

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