Dario **Lazzara**

COMPUTER SCIENCE STUDENT · ASPIRING AI/SOFTWARE ENGINEERING

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Education

Università degli Studi di Catania

M.S. IN COMPUTER SCIENCE: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING *Current*

- Currently pursuing M.S. with 70% of coursework focused on AI, Machine Learning, Computer Vision, and Deep Learning.

Università degli Studi di Catania

B.S. IN COMPUTER SCIENCE: ARTIFICIAL INTELLIGENCE & ROBOTICS - GRADE: 106/110 (≈ 3.9 GPA) *Sep. 2025*

- Graduated on time (less than 40% of peers succeeded) with a top score significantly above the cohort average.
- Best Marks: Object-Oriented Programming (C++), Operating Systems, Image Processing and Multimedia Systems, and Computer Networking (4.0 GPA overall).

Università degli Studi di Catania

B.S. IN POLITICAL SCIENCE - GRADE: 108/110 (≈ 4.0 GPA) *Feb. 2023*

- Explored key concepts in finance, accounting, and statistical analysis, including inferential statistics.
- ERSU Merit Scholarship recipient (top 5% of students) for outstanding academic achievement and timely progress.

Experience

Professional Firm

JUNIOR ACCOUNTANT *2022*

- Analyzed financial data of all 104 condominium accounts, identifying discrepancies that reduced reporting errors by 20%.
- Improved invoice follow-up efficiency by 60% through developing and implementing an automated script for payment reminders.

S.I.E.M

LOGISTICS COORDINATOR *2021*

- Organized and balanced workload distribution across a team of 5 workers to maximize efficiency and prevent task overload.
- Achieved over 90% of daily operational goals by optimizing workforce coordination and maintaining smooth workflow processes.

Side Projects

Bachelor's Thesis - Computer Science

UNDERSTANDING EGOCENTRIC VIDEOS IN THE SURGERY DOMAIN *Sep. 2025*

- Applied computer vision and machine learning techniques to examine a dataset of over 17 hours of egocentric surgical videos.
- Identified novel insights from more than 100 annotated frames of hands and instruments, not previously reported in related studies, obtaining recognition performance of 50–60% and highlighting the complexity of open surgery video analysis and the need for domain-specific adaptation.

Hackathon 2024 by NeoData

IDEATOR AND DEVELOPER OF FLYNOW — 2ND PLACE WINNER *2024*

- Conceived and developed FlyNow in a 48-hour hackathon, leading a team of 3 and building an AI-powered prototype leveraging OpenAI to simplify travel planning.
- Streamlined flight, accommodation, and travel information searches, reducing user time spent by 60–70%. Draft version and demo available on GitHub.

Bachelor's Thesis - Political Science

ARTIFICIAL NEURAL NETWORKS APPLIED TO THE STUDY OF "BRAIN DRAIN" *Feb. 2023*

- Applied an ANN to over 58,400 Almalaurea survey responses to analyze socio-demographic and career characteristics of Italian graduates, revealing that 10.5% migrated internally and 5.7% abroad.
- Attained 85.4% predictive accuracy in forecasting migration tendencies based on 13 key input variables using AI methodologies.

Extracurricular Activity

Intelligent Agents and Machine Learning

ORGANIZED BY AITHO *July 2025*

- Completed 75 hours of intensive coursework covering 7 architectures of intelligent agents and their applications in AI and machine learning.
- Explored and applied 3 practical tools/frameworks including LangChain, LangGraph, and Ollama to develop multi-agent local projects.

AI and Robotics: Fundamentals and Applications with Microcontrollers

ORGANIZED BY STMICROELECTRONICS & UNICT *June 2024*

- Completed a 24-hour course on AI and robotics fundamentals with focus on microcontroller applications.
- Passed the theoretical exam with a perfect score of 100%, demonstrating full mastery of the core concepts.

Skills

TECHNOLOGIES & TOOLS

- Programming Languages: C, C++, Java, Python, SQL, ARM Assembly
- Computer Vision & ML Frameworks: Detectron2, MMDetection, Segment Anything Model (SAM)