

SAVERIO RANDAZZO

saveriorandazzo51@gmail.com • +39 3890076833 • saverio-randazzo.com • [LinkedIn](#)

EDUCATION

Bachelor's degree in Artificial Intelligence

Oct 2023 - Expected Mar 2027

Università degli Studi di Palermo

Palermo, Italy.

- 4.0 GPA. Relevant coursework: computational logic, linear algebra, data science, machine learning.
- Got ERSU Scholarship, which is given to promising students.

EXPERIENCE

Undergrad research assistant

Aug 2026 - Present

The University of Texas at Dallas

Remote

- Investigated mutation testing techniques to evaluate the reliability of test suites for AI agents.
- Developed an LLM-guided Python pipeline to generate mutations from real-world defects and evaluate AI agent test suites.

Embedded AI engineer intern

Mar 2026 - Jul 2026

Infobiotech

Palermo, Italy

- Developed embedded C firmware for STM32-based microcontroller applications.
- Trained PyTorch models in Python and adapted ML pipelines for deployment on embedded systems.
- Re-engineered a legacy software solution using a machine-learning-based approach, from model development to deployment

Co-founder

Jan 2023 - Feb 2024

MadNight

Palermo, Italy

- Created own corporate showcase site and customer management portal using React with Redux.
- Improved software delivery workflows through GitHub-based version control, backup and rollback strategies, reducing deployment errors by 40%.
- Developed REST APIs with Node.js and Express, integrating MongoDB for persistent data storage.

Software engineer intern

Dec 2022 - May 2023

IPAS

Palermo, Italy

- Developed and deployed a business management website using React with Redux.
- Performed debugging and code review of previous projects, such as an accounting site built with React.
- Developed and automated data-processing and reporting workflows using Google Apps Script.

PROJECTS

Ponte 19 | DataPolis 2026 Hackathon Winner

- Co-developed the winning hackathon project, analyzing public datasets on school-to-work transitions.
- Built Python data-processing workflows and R visualizations to support a data-driven municipal service proposal.

Spike-Based Multimodal Perception on Embedded System

- Built an STM embedded pipeline with spike encoding for camera frames and microphone signals.
- Trained and optimized lightweight LIF spiking neural networks in PyTorch for resource-constrained deployment.

SKILLS

- **Programming & AI:** Python, SQL, PyTorch, TensorFlow, LLMs, AI Agents, C, C++, Java, Go, JavaScript, TypeScript, Node.js, Express.
- **Cloud, DevOps & Databases:** AWS, Docker, Git, GitHub, MongoDB, MySQL.