

SARA CAVALLINI

DATA SCIENTIST | SOFTWARE ENGINEER

CONTACT

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SKILLS

Data Science and AI Models

- DINO, YOLO
- Deep Neural Networks (CNNs, GANs)
- ResNet Pytorch, Tensorflow
- Machine Learning, LLM
- Time Series Modeling and Forecasting
- Keras Object Detection
- Supervised & Unsupervised
- Learning Computer Vision
- Statistics Model Evaluation

Programming

- Python
- C/C++
- Linux (Terminal cmd, Bash/Shell)
- Embedded Linux
- Yocto Project
- Git command
- Web Development (Python/Django)
- Java

Data Analysis Tools

- Python (Pandas, NumPy, Matplotlib)
- R
- MATLAB
- SQL
- Power BI
- Label Studio
- SAS
- Excel- Microsoft Office Pacackages

LANGUAGES

- English (Fluent)
- Italian (Native)
- Spanish (Intermediate)

HOBBIES

- Archery: competitive level since 2014
- Mentoring / Tutoring
- Baking / Pastry Arts
- Hackathons / Tech Competitions



PROFILE

Computer Engineering graduate with experience in software development and system integration. Strongly motivated to apply technical expertise and problem-solving skills to dynamic and innovative projects, while continuously growing within collaborative and fast-paced environments.



WORK EXPERIENCE

Data Scientist

FEB 2025 - PRESENT

Alknow srl, Cene Italy

AI & Machine Learning specialist with hands-on experience in computer vision (YOLO, DINO, ResNet, LLMs) and time series forecasting. Proven track record in developing and deploying models to optimize business processes and integrating AI solutions into scalable production backends.

Junior Embedded Linux Engineer

JAN 2024 - FEB 2025

KOAN, Bergamo Italy

Embedded Linux engineer with expertise in Linux BSP customization using Yocto Project. Skilled in adapting embedded Linux configurations to customer needs, developing user-space applications in C/C++, and integrating embedded systems. Experienced with systemd service creation, auditd, and scripting with Bash and Shell.

Event Organization Manager Student

2023 - 2025

University student council, Bergamo, IT

Coordinated teams to plan and manage cultural, social, and academic events for the university community. Oversaw logistics, promotion, and resource management to ensure successful execution, while collaborating with external organizations and university groups on joint projects.



EDUCATION

Bachelor's degree in Computer Engineering

2019 - 2023

Università degli Studi di Bergamo

Course of Django, Python, and Bootstrap

JAN 2025

Certification | Udemy

Linux Embedded and Yocto Project training

SEP 2024

Certification | KOAN

Coding in R for Data Analysis Udemy

JAN 2024

Certification | Udemy

LPI Linux essentials, Linux 101 & 102

DIC 2023

Certification | Udemy