

# Roberto Vicario

## Software Engineer

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[Website](#) · [LinkedIn](#) · [GitHub](#)

## Experience

### Software Engineer

10/2024 – Present

Motus ml

Milan, Italy

- I developed software specifically tailored for *Engineering* applications, gaining expertise in advanced development to address complex *Data-driven* challenges through *Streaming Machine Learning*.
- For many projects, I was responsible for improving legacy applications. This involved everything from *Frontend* enhancements to redesigning *API* structures and endpoints.
- *Startup* life made me a *One-man-army*, someone able to try to do anything, or whatever is needed. It's one of the most valuable skills I gained, the major driver of my growth.

Python

JavaScript

Bootstrap

Flask

Git

Docker

JIRA

MySQL

PostgreSQL

Pandas

### Data Scientist Intern

10/2023 – 01/2024

University of Insubria, DiSTA Department

Varese, Italy

- Conducted a *Machine Learning* research project on *Stress Detection* using *HRV* data, under the supervision of *Silvia Corchs, PhD*. We implemented a *Multiclass Classification* pipeline integrating *Ensemble Methods*, with strong emphasis on *Overfitting Prevention*.
- The project served as the foundation for my *Experimental Thesis*, and the related *Kaggle Notebook* gained recognition by community with multiple forks.

Python

Pandas

scikit-learn

Data Analysis

Machine Learning

## Education

### MSc in Computer Science

10/2024 – Ongoing

University of Insubria

Varese, Italy

- *Average Grade*: 25/30, *CFU*: 21/120
- *Projects*: *Machine Learning*, *Data Visualization*, *Data Security*

### BSc in Computer Science

10/2020 – 02/2024

University of Insubria

Varese, Italy

- *Grade*: 91/110
- *Thesis*: *Apply Machine Learning for Stress Detection in Office Work Environments*

## Skills

Java

C/C++

Python

R

JavaScript

PHP

HTML/CSS

Bootstrap

Figma

Spring

Flask

Linux

Bash

Git

Docker

Kubernetes

AWS

NumPy

Pandas

Seaborn

Matplotlib

scikit-learn

TensorFlow

	Listening	Reading	Writing	Speaking
Italian	C2	C2	C2	C2
English	C1	C1	C1	C1
French	B2	B2	B1	B1
Spanish	A2	A2	A2	A2
German	A1	A1	A1	A1

## Technical Experiences

### CyberChallenge.IT

02/2025 – 06/2025

Cybersecurity National Lab

Varese, Italy

- Admitted to *Italian Training* program as one of the best *U24 Ethical Hackers* (840 spots nationwide).
- The training featured hands-on challenges in *Cryptography*, *Penetration Testing*, *Network Sniffing*, *Web Vulnerabilities*, *Code Injection*, *Binary Exploitation*, and *Intelligence Operations*.

C/C++ Python JavaScript PHP pwntools Wireshark SQLi XSS ngrok Ghidra

### Exchange Semester

02/2024 – 08/2024

University of Applied Sciences and Arts of Southern Switzerland

Lugano, Switzerland

- After completing my *Bachelor's degree*, I attended the first semester of the *Swiss MSE*.
- Gained hands-on experience with real-world applications by focusing on *DevOps* methodologies and related technologies. Deepened my knowledge in *Machine Learning*, with a particular emphasis on *LLMs*, through the *Deep Learning* course I attended at *ZHAW* in *Zurich*.
- Semester Project: *C++ Consistent Hashing Benchmark Tool*

DevOps Cloud Computing Deep Learning LLMs

### Open Source Contributions

*GitHub*, *HuggingFace*, *Kaggle*, etc.

- Coding is also a hobby of mine. Check out the following projects, which I consider my best work.
- Projects: *2UML*, *Learning Platform*.

Project Notebook Learning Research

## Certifications and Licenses

### DevOps on AWS

09/2024

AWS · *FOMIHG0TDH02*

### Cybersecurity Attack and Defense Fundamentals

09/2023

EC-Council · *V7HDTZUQHYVC*