

ALTOMARI GIULIO GIOVANNI

Cremona, Italy | +393428144123 | altomari.giulio@gmail.com | www.linkedin.com/in/giulio-altomari

EDUCATION

KTH Institute of Technology | Stockholm, Sweden

August 2025 – Present

Master in Computer Science Engineering (Software Engineering)

- Collaborating in a cross-university research project on microservices reliability, using Kubernetes and Go to build fault-tolerant prototypes.
- Practical workshops at Ericsson, Spotify Tech Hubs.

Politecnico di Milano | Milan, Italy

September 2021 – June 2025

Bachelor in Computer Science Engineering

- Produced several projects among Software Engineering, Algorithms and R, while being a student worker
- **Relevant courses:** Calculus I/II, Probability and Statistics, Architecture of Calculators and OS, Linear Algebra, Databases, Electronics, Enterprise and Strategic Decisions

IIS Torriani | Cremona, Italy

September 2016 – June 2021

High school Diploma in IT | GPA: 4.0/4.0

- Completed an intensive six-month math analysis course in the fourth year, funded by PON
- Attended classes during a two week visit to England

EXPERIENCE

Software Engineer | Solvigo | Stockholm, Sweden

August 2025 – Present

- Responsible for designing and developing AI-powered applications leveraging Large Language Models (LLMs) to automate complex tasks. Experienced in building scalable backends using Python (Flask, FastAPI, Unicorn) with strong expertise in LangGraph for orchestrating LLM workflows. Proficient in integrating external APIs and optimizing system performance for production-grade AI solutions. .

Embedded Software Engineer | Gravity Gardens | Arnhem, Netherlands

April 2025 – Present

- Responsible for designing, developing, and testing embedded software for resource-constrained systems. Skilled in low-level programming (C, C++, Assembly) with direct hardware interaction via communication protocols (SPI, I2C, UART, CAN). Experienced in system modeling and simulation using MATLAB/Simulink, and in PCB design for optimal hardware-software integration. Proficient in code optimization and cross-functional collaboration with hardware teams to deliver high-performance, reliable embedded solutions.

High School Teacher | IIS Janello Torriani | Cremona, Italy

November 2023 – June 2025

- Automation and Electronics Teacher, teaching the basics of Robotics and Electronics, covering C++ coding for Robotics, Binary logic and combinational circuits such as flip-flops and latches, CPU, ALU and register structures, PLC, design and schematics for three-phase asynchronous motors.

ADDITIONAL INFORMATIONS AND CERTIFICATIONS

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- **Languages:** Italian (native), English (fluent C1 – IELTS 7.5), Spanish (intermediate), French (basic)
 - Completed multiple hands-on coding projects on [Boot.dev](https://www.boot.dev), focusing on backend development, data structures, and JS/Python.