

# Matias Negro

## Curriculum Vitae

*"Computer Engineering graduate pursuing a Master's degree. Passionate about software development, system engineering, and open-source contributions. Dedicated to using technical skills to solve complex challenges and create real impact."*

### Personal Information

Name	Matias Negro
Date of Birth	March 25, 1999
Place of Birth	Monza (MI)
Permanent Address	Via Sandro Pertini 12, Cesano Maderno (MB)
Temporary Address	University Residence, Via Verdi 7, Dalmine (BG)
Nationality	Italian, Spanish
Driving License	Category B with own car

### Education

2014–2019	<b>High School Diploma in Computer Science (ITIS Informatico), Ettore Majorana, Cesano Maderno</b>
2019–2024	<b>Bachelor's Degree in Computer Engineering, University of Bergamo</b> Graduated on October 2, 2024, with a score of 94/110
2024–Present	<b>Master's Degree in Computer Science and Engineering, University of Bergamo</b>
Spring 2025	<b>CERN Spring School, Organized by CERN, Pori (Finland)</b> <ul style="list-style-type: none"><li>○ Participation in an intensive training school focused on advanced topics in computing and data management within the context of high-energy research.</li><li>○ Gained knowledge on large-scale computational infrastructures and complex data analysis methodologies.</li><li>○ Interaction and exchange with international students and researchers, broadening perspectives on cutting-edge technologies and approaches.</li><li>○ Experience in an environment of globally recognized scientific excellence.</li></ul>

### Thesis

Title *Exploring Nanos Unikernel Behaviour with Multithreading*

Via Sandro Pertini n.12 – Cesano Maderno (MB)

✉ +39 331 244 3065 • ✉ matiasnegro@outlook.it

🌐 matiasnegro.com • 💬 matias-negro

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Description This thesis explores the performance and behavior of Nanos Unikernels in multi-threaded environments.

## Work Experience

- Aug 2025–Present **Software Engineer, CSD Srl - Computer Service Due, Cuggia (CO)**  
Design and development of custom software solutions for business process optimization, translating business needs into high-performance management platforms (Web and Mobile).
- **Analysis & Design:** Collaborating with clients to define technical and functional requirements, designing scalable and maintainable software architectures.
  - **Full-Stack Development:** Implementing server-side business logic (backend) and interactive user interfaces (frontend) for web and mobile applications.
  - **Data Management:** Modeling and optimizing databases to ensure performance, security, and integrity of corporate information.
  - **Testing & Deployment:** Implementing test procedures and managing application releases, ensuring reliability and quality in production.
- Feb 2025–Jul 2025 **Programmer and Digital Facilitator, FABBRICA INNOVAZIONE, Brugherio (MB)**  
Digital facilitator role: supported digital transformation activities and staff training on the use of new technological tools.  
PHP programmer role: developed and maintained internal web applications, integrated with databases. Framework used: Symfony 5.x.
- 2018–2019 **Sales Assistant, Mediaworld Limbiate, Limbiate (MB)**  
Assisted customers with purchases and inquiries, providing excellent customer service.  
Managed inventory and restocked shelves, ensuring product availability.  
Acquired deep technical knowledge of IT products, photography, and appliances.

## Projects

### **DataCare, University project for Database 1 exam**

Technologies: Tomcat, PHP, HTML, CSS, JavaScript

- Developed a one-page web application simulating patient registration for a doctor.
- Functionalities include scheduling, adding, removing, and modifying appointments and patient medical records.

### **SteamDiscountAdviser, University project for Software Engineering exam**

Technologies: Dart/Flutter

- Created a one-page application for Windows, Linux, and MacOS that monitors product prices on Steam.
- Functionalities include registering desired products, sending system notifications when products fall below a desired price, and features to add, remove, and modify products.
- Supports background functionality for continuous monitoring.

## Certifications

Cisco Cisco Essentials

## Technical Skills

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Programming Languages	C, C++, Java, Scala, JavaScript, HTML, PHP, Golang, Dart, Dart/Flutter, Python, XQuery, SQL, Datalog, MatLab
Tools and Technologies	Visual Studio, Eclipse, DevC++, Visual Studio Code, Apache JMeter, Apache Tomcat, XCode, Nanos, Nanovms, Docker, Linux Bash, MatLab, Pandas, Kafka, CRM Systems, Test Automation Tools
Data Formats	Experience working with data in XML, JSON, and CSV formats
Operating Systems	Experience working on Linux, Windows, and MacOS

## Languages

Italian	Native
English	Fluent
Spanish	Fluent

*Dual Citizenship*

## Personal Skills

Communication Skills	Excellent verbal and written communication skills in Italian, English, and Spanish.
Organizational Skills	Quick learner and adaptable to new technologies and environments. Effective time management and ability to meet deadlines.
Professional Skills	Ability to analyze complex problems and develop innovative solutions. Proven experience working effectively in team environments. High level of accuracy and attention to detail in all activities. Strong analytical skills to solve problems and optimize processes (Requirements Analysis).

## Extracurricular Activities

Drummer	Played drums in a local band.
Football Player	Played football in a local amateur team.
Amateur Actor	Acted in a small theater group, participating in various performances and improving public speaking and performance skills.

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