

Riccardo Mattioli

BSc in Computer Science

Software Developer · AI, Autonomous Agents and Language Models

CONTACT

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LANGUAGES

- Italian — native
- English — B2, advanced language proficiency (UNIMORE)
- Spanish — basic

CERTIFICATIONS

IT Essentials: PC Hardware and Software

Cisco Networking Academy · 2019

Workplace Safety (It. Legislative Decree 81/2008)

General and specific training · UNIMORE · 2026

INFORMATION

Driving licence B, own car

Available immediately

Modena and Bologna — on-site, hybrid or remote

Interests: music events, open-source AI

SUMMARY

Computer Science graduate. For my thesis I built **CLUED-AGENT**: autonomous BDI agents that reason, act within a 3D environment and hold conversations through large language models (LLM). As a freelancer I ship websites and applications to production, from code to deployment. I am looking for a team where I can grow building artificial intelligence.

PROFESSIONAL EXPERIENCE

Software Development Intern
University of Modena and Reggio Emilia

Oct 2025 – Jun 2026

- Built conversational dialogue with NPCs: LLMs served with **Ollama** and a **ChatBDI** layer.
- Designed a multi-agent **BDI** system in **JaCaMo / Jason-AgentSpeak**, embodied in 3D with **VEsNA**.
- Structured the system as separate processes: real-time communication between agents, LLMs and **Godot**.

Written reference from my supervisor, Prof. Angelo Ferrando, available on request.

Full Stack Developer
MattioliMade.it — Freelance, Bomporto, Italy

Jan 2026 – Present

- Migrated the **Pro Loco di Nonantola** website from WordPress to a custom architecture, DNS and hosting.
- Shipped my portfolio to production on **Vercel**, owning the whole pipeline.

Co-Founder & Event Manager
TRAPETON Events, Nonantola, Italy

Nov 2025 – Present

Co-founded a music event format: team coordination, brand identity and running the nights.

Delivery Driver
La Smorfia, Nonantola, Italy

May 2022 – Present

Held an evening part-time job for over four years alongside my degree, thesis and freelance work.

JavaScript Developer
GN srl, Modena, Italy

Jun 2021 – Jul 2021

Developed the frontend of a monitoring application: chronological and geographical order views.

EDUCATION

Bachelor's Degree in Computer Science
University of Modena and Reggio Emilia

Sep 2021 – Jul 2026 · Final grade 95/110

Thesis: *"CLUED-AGENT — BDI agents and LLMs for NPCs in an investigative video game"*.

Technical Diploma in Computer Science
I.I.S. F. Corni — Technical High School, Modena, Italy

Sep 2016 – Jul 2021 · Final grade 85/100

SKILLS

AI & Agents	LLMs and language models (Ollama), embeddings, BDI multi-agent systems, JaCaMo / Jason-AgentSpeak, VEsNA, ChatBDI, prompt engineering, AI coding tools
Languages	Java, Python, JavaScript, TypeScript, C, C++, C#
Web & Infrastructure	React, Next.js, Vercel, SQL, MongoDB, Docker, Linux, Git, GitHub, DNS and hosting
Other	Godot 4.6 and 3D development, UI/UX design