

davide bertoni •

Computer Systems & Software Engineer

Computer and software engineer passionate about modern programming, AI tech, and building practical, hands-on side projects. Outside the terminal, competitive volleyball player bringing athletic discipline, court awareness, and team communication into engineering.

08/29/2003 • Modena ↔ Milano • davidebe03@gmail.com • Website • GitHub • LinkedIn • Telegram • Ita driving licence (cat B)

01. Academic Background

Politecnico di Milano — 2025: Present

M.Sc. in Computer Science and Engineering

M.Sc. program (120 ECTS) focused on advanced computing architectures, software systems and data engineering.

Computer Science, Software Engineering, Advanced Computing, Systems Architecture, Neural Networks, Deep Learning

Università degli Studi di Modena e Reggio Emilia — 2022: 2025

B.Sc. in Computer Engineering (Ingegneria Informatica)

B.Sc. (180 ECTS) in core computer engineering: architectures, operating systems, algorithms, OOP, networks and databases.

Computer Engineering, Algorithms & Data Structures, Operating Systems, C / C++ / Java

ITIS Enrico Fermi Modena — 2017: 2022

Industrial Technical Diploma in Electronics and Automation

Technical diploma in analog/digital electronics, industrial automation, microcontroller programming and circuit analysis.

Electronics, Industrial Automation, Microcontrollers, Digital Circuits, PLC Programming

02. Professional Experience

JEMORE (Junior Enterprise Modena) — 2024: 2025 • Modena, IT

Junior Full Stack Web Developer

Designed, built and maintained web applications in the agile IT team.

- **Web Application Development:** Responsive apps with Next.js, React, Tailwind CSS and TypeScript.
- **Engineering Practices:** Git/GitHub, Postman API tests, Docker and agile tracking in Notion.

Next.js, React, Tailwind CSS, TypeScript, Docker, Postman, Git, GitHub

GRAF Synergy S.r.l.

2021: 2021 • Nonantola, IT

Embedded Software & Automation Intern

Final-year internship: embedded C on microcontrollers for industrial automation, incl. a sheet-metal plotter controller.

- **Microcontroller Programming:** Microcontroller routines in C for plotter automation.
- **Machinery Automation:** Integration and testing of embedded routines.

`C, Microcontrollers, Embedded Software, Systems Automation`

Scuole Medie Ferraris

2019: 2019 • Modena, IT

Assistant Teacher & Tutor (Volunteer)

Volunteer tutoring for middle-schoolers with special needs.

- **Educational Support:** One-on-one and small-group tutoring.

`Tutoring, Educational Support`

03. Engineering Skills Matrix

Programming Languages	TypeScript, JavaScript, Python, C, C++, C#, Java, HTML, CSS
Web & Frameworks	Next.js, React, Tailwind CSS, Astro
Developer Tools	Docker, Git, GitHub, Postman, Notion, Agentic Coding, OpenCode CLI
Systems & Hardware	Microcontrollers, Embedded Software, Industrial Automation
Languages & Certifications	Italian (Mother Tongue), English (C1, Cambridge Assessment)

04. Athletics & Court Leadership

Competitive Volleyball (Serie C, CUS)

15+ Years Active

A game of fractional seconds and coordination. In Serie C and CUS leagues, errors propagate instantly. Every rally demands spatial awareness, team play and composure.