

Lorenzo Bandini

SOFTWARE DEVELOPER

☎ (+39) 339-140-4748 | ✉ bandinilorenzo02@gmail.com | 📱 lorenzobandini | 🌐 lorenzobandinii

Education

University of Pisa

Pisa, Italy

MASTER OF COMPUTER SCIENCE, CURRICULUM: ICT SOLUTION ARCHITECT (IN ENGLISH)

Sept. 2024 – Oct. 2026

- Focused on **designing and evaluating integrated ICT solutions** that address performance, security, and privacy across systems.
- Key courses: Advanced Programming, Advanced Software Engineering, Algorithm Engineering, ICT Risk Assessment, and IoT Devices.

University of Pisa

Pisa, Italy

BACHELOR OF COMPUTER SCIENCE

Sept. 2021 – Oct. 2024

- Built a solid foundation in **programming, algorithms, and software development**.
- Key courses: Algorithms, Computer Architecture, Operating Systems, Computer Networks, C Programming, OOP, Introduction to AI.

Experiences

JEVIS - Junior Enterprise of Pisa

Pisa, Italy

HEAD OF IT

Feb. 2024 – Present

- **Led a team of 9** in IT internal projects, delivering a microservices-based internal application using Docker Compose, FastAPI, MongoDB, and ReactJS to support **performance analysis** and **recruitment decisions**.
- **Managed client relationships** by executing 4 custom WordPress and data analytics projects that boosted revenue by 54% in 6 months and provided 7 training sessions to 60 associates.
- Streamlined a 4-stage selection process for 14 candidates, with a 42% acceptance rate, culminating in successful team integration.

DEPUTY HEAD OF IT

Oct. 2023 – Feb. 2024

- Recognized with the **top junior initiative** award in the Italian network for 2023/2024.
- Managed client relations and led a consulting project for an Angular plugin, **contributing 13% to the association's annual revenue**.

CNR – National Research Council

Italy

INTERN – RESEARCH ASSISTANT

Jul. 2024 – Oct. 2024

- Completed 375 hours developing **U-ProBE**, a Python GUI for rapid post-hoc uncertainty quantification on deep learning image classifiers.
- Partially supported by EU-funded projects ProCancer-I and FAITH, currently authoring a research paper for a **European convention**.

JEItaly - Junior Enterprises Italy

Italy

IT SPECIALIST

Feb. 2024 – Oct. 2024

- Designed and implemented tailored IT solutions to streamline processes across **36 affiliated associations**.
- Delivered technical support and conducted training sessions for IT teams within member organizations.

Projects

Gacha World

GitHub Repo

DOCKER COMPOSE, FASTAPI, MYSQL, POSTMAN, JWT

- **Collaborative** university project developing a gacha-based game featuring **account management, registration, and authentication**.
- Utilized Docker Compose, FastAPI, and robust testing/security tools to ensure performance and secure transactions.

SpeedyGuesser

GitHub Repo

NEXTJS, TYPESCRIPT, TAILWIND, TRPC, PRISMA, SQLITE

- Developed a **multiplayer game** where two players assist a third in guessing words, with account management and matchmaking.
- Built using modern web technologies for a seamless, scalable gaming experience.

Skills

Languages

Italian, English

Programming & Web

Java, C, OCaml, JavaScript, TypeScript, Python, HTML, CSS, Angular, React, NextJS, FastAPI

Tools & Technologies

Docker, Docker Compose, MongoDB, MySQL, SQLite, tRPC, Prisma, Tailwind, Git, Postman, Valgrind