

SUMMARY

Third-year Computer Science student specializing in **Computation**, with a strong interest in **Artificial Intelligence**, **Machine Learning**, and **Distributed Systems**. Actively involved in hackathons and technical communities, with solid problem-solving skills and experience in software development. Motivated, curious, and eager to learn, with a focus on building reliable and scalable solutions.

WORK EXPERIENCE

- **Level4 Tech** Lleida, Spain
Software Developer 2025 – Present
 - **Software development:** Design and develop **custom software solutions** tailored to specific business needs, using **SolidJS**, **TypeScript**, **Python**, **Django**, and **Odoo**. Responsible for translating client requirements into robust, scalable, and maintainable applications.
 - **Full software lifecycle:** Actively contribute to the **entire software development lifecycle**, including requirements analysis, system and architecture design, implementation, testing, deployment, and post-deployment support.
 - **Frontend and backend engineering:** Build **dynamic, responsive, and accessible user interfaces** and integrate them with **scalable backend APIs**, databases, and services, ensuring performance, reliability, and security.
 - **Odoo development and automation:** Develop, customize, and extend **Odoo modules** to automate business workflows, optimize internal processes, and improve operational efficiency for clients across different sectors.
 - **Collaboration and delivery:** Work closely with **cross-functional teams** and clients, participating in technical discussions and decision-making to deliver solutions that are aligned with business goals, timelines, and quality standards.
- **LleidaHack** Lleida, Spain
President 2024 – Present
 - **Community leadership:** Lead one of the most active **student technology communities** in the region, focused on fostering **innovation, collaboration, and technology education**.
 - **Events and outreach:** Organize and oversee **hackathons, workshops, tech talks, and networking events**, connecting students, professionals, startups, and companies.
 - **Strategy and management:** Manage a **multidisciplinary team**, define strategic goals, secure **sponsorships**, and expand partnerships with **industry and academic institutions**.
 - **Inclusive culture:** Promote an **inclusive and collaborative environment** where members learn, build, and share technology projects.
 - **Previous contributions:** Previously contributed as a **software developer** using **React** and **FastAPI**, building internal tools, and as part of the **networking team**, strengthening community and industry relationships.
- **Self-employed** Lleida, Spain
Private Tutor 2023 – 2025
 - **STEM education:** Provided personalized tutoring in **Mathematics, Physics, Chemistry, and Computer Science** to high school students.
 - **Academic support:** Helped students strengthen their **problem-solving skills**, conceptual understanding, and overall academic performance through tailored learning strategies.

EDUCATION

- **Universitat de Lleida (UdL)** Lleida, Spain
Bachelor's Degree in Computer Science — Specialization in Computation 09/2023 – 07/2027 (expected)
 - **Academic focus:** Specialization in **Computation**, with emphasis on **Artificial Intelligence**, **Machine Learning**, **Distributed Systems**, and **Natural Language Processing**.
 - **Core competencies:** Strong foundations in **programming**, **algorithms and data structures**, and **computational problem-solving**.

HACKATHONS & COMPETITIONS

- **LauzHack 2024** Lausanne, Switzerland
 - *Bobst Challenge Runner-Up & Organizers' Prize Winner*
 - **IoT and AI solution:** Developed an **IoT-enabled system** integrating hardware, AI, and software to enhance the functionality of a boxing machine.
 - **Web dashboard:** Built a **web-based dashboard and control interface** for real-time monitoring, remote operation, and data visualization.
 - **AI and backend:** Implemented **AI-powered box recognition** and a backend database to automate workflows and enable **data-driven insights**.
- **HackUPC 2025** Barcelona, Spain
 - *Siemens Energy Challenge — 1st Prize*
 - **AI-driven data center planning:** Developed a **modular data center planning and simulation tool** powered by AI, real-time data, and IoT technologies.
 - **System architecture:** Designed a **flexible flowchart-based architecture** for intelligent resource allocation and simulation of power scenarios via **MQTT**.
 - **Innovation and sustainability:** Built a **satellite-assisted site selection system**, recognized for its innovation, sustainability focus, and real-world applicability.

PROJECTS

- **Personal & Academic Projects**
 - **Full-stack applications:** Designed and implemented web applications using **FastAPI**, **React / SolidJS**, and relational databases, focusing on scalability and clean architecture.
 - **AI and data-driven systems:** Explored **AI and data-driven approaches** through small-scale projects involving data preprocessing, basic model integration, and simple automated decision logic.

SKILLS

- **Programming & Technologies:** Python (**FastAPI**, **Django**), Java (**Spring Boot**), JavaScript / TypeScript (**SolidJS**, **React**), C / C++, SQL (**PostgreSQL**), HTML / CSS, Bash, Git, Odoo
- **Software Engineering:** Full-stack development, scalable **REST APIs**, database design, **AI/ML** and **IoT** integration, system architecture, unit testing, CI/CD
- **Methodologies & Tools:** Agile / Scrum, Git workflows, code reviews, Linux-based development environments
- **Languages:** English (C1 - Cambridge Certificate), Spanish (Native), Catalan (Native)
- **Additional:** Hackathon enthusiast with experience in innovation-driven projects, problem-solving, mentorship, teamwork, and technical leadership