

Lluc Santamaria Riba

📍 Barcelona, Spain ✉ lluc.santa@gmail.com ☎ +34 639 41 25 89 in Lluc Santamaria 🌐 Lluc24

Profile

Passionate and highly motivated **Computer Science student** at Universitat Politècnica de Catalunya (UPC), with a strong academic record and a keen interest in data science, high-performance computing, and algorithm design.

Recognized for achieving the **highest GPA** in the first two years of the degree program. With proven strengths in leadership, organization, and teaching, I am committed to advancing research and innovation in computing through international collaboration and rigorous academic training.

Experience

- | | |
|---|--|
| Barcelona Supercomputing Center , Summer Internship - LLM Researcher | Barcelona, ES
Jul 2025 – Aug 2025 |
| <ul style="list-style-type: none"> Fine-tuned an LLM to generate parallel code for HPC execution Developed skills in dataset automation and large-scale model training Gained expertise in distributed computing, cluster execution, and reproducibility | |
| Eixos Creativa , Creative Technology Instructor | Barcelona, ES
Apr 2025 – Jun 2025 |
| <ul style="list-style-type: none"> Taught extracurricular creative technology program to 10–12-year-olds Led activities that promoted collaboration, creativity, and STEM engagement | |
| ALBA Synchrotron , Software Engineer Intern | Cerdanyola del Vallès, ES
Oct 2024 – Apr 2025 |
| <ul style="list-style-type: none"> Worked in a multidisciplinary and research-driven scientific environment Designed and developed web applications using cutting-edge technologies Worked in Agile Scrum methodology and used CI/CD technologies | |
| Ibericus , Waitperson | Barbera del Vallès, ES
Jul 2024 – Aug 2024 |
| <ul style="list-style-type: none"> Provided table service and handled food orders Assisted customers and ensured a positive experience | |
| Barcelona School of Informatics (UPC) , Lecturer in Mathematics (Scholarship) | Barcelona, ES
Feb 2024 – Jun 2024 |
| <ul style="list-style-type: none"> Delivered lectures on discrete mathematics to first-year university students. Served as the coordinator for some lecturers, ensuring alignment and consistency | |
| Self-employed , Private Tutor in STEM Subjects | Barcelona, ES
Dec 2021 – Jun 2024 |
| <ul style="list-style-type: none"> Provided personalized tutoring to five high school students in various subjects Improved students' academic performance, achieving noticeable grade increases | |
| McDonald's , Waitperson and Cook | Barbera del Vallès, ES
Jun 2023 – Aug 2023 |
| <ul style="list-style-type: none"> Prepared food accurately and quickly, ensuring quality and cleanliness standards Delivered fast service while handling customer orders and concerns efficiently | |

Education

- | | | |
|-----------|---|--------------------------------------|
| EX | École Polytechnique Fédérale de Lausanne (EPFL) , Exchange Program | Lausanne, CH
Sept 2025 – Jan 2026 |
| | <ul style="list-style-type: none"> Erasmus exchange program during 5th semester Focus on advanced courses in the master of Computer Science Awarded three scholarships for the exchange | |
| BE | Universitat Politècnica de Catalunya (UPC) , Informatics Engineering | Barcelona, ES
Sept 2022 – Present |
| | <ul style="list-style-type: none"> Major in Computer Science | |

- GPA: 9.25/10.0
- Honors in 16 courses
- Awarded for the best academic record in the first two years.
- Elected as delegate for three courses.

HS **Institut-Escola Frederic Mistral**, Technological High School

Barcelona, ES

Sept 2020 – June 2022

- Awarded by the Minister of Research and Universities for ranking among the top students in the university entrance exams (grade 12.7 out of 14).
- Completed high school with distinction (grade 8.72 out of 10)

Other Achievements

- Workshop on Coaching Techniques for Academic Mentoring by Barcelona School of Informatics (UPC)
- Car and motorbike driving license

Languages

- **Catalan and Spanish:** Native
- **English:** Proficient. Cambridge C1 Advanced - Score 183

Technologies

Programming Languages

- Proficient in C++, Python
- Experienced in Java, SQL, C, JavaScript, HTML, CSS
- Basic experience with Haskell, R, Prolog, Assembly (x86, MIPS), CLIPS, AgentSpeak, PDDL

Technologies: Unix/Linux, Git, Django, AngularJS, Async programing, UML, Onthology design with Protégé

Content Design: LaTeX, Microsoft Office, Google Workspace, LibreOffice Suite

Interests

- Outdoor sports, cycle sport, running, ski, calisthenics
- Data science, algorithms and data structures, high-performance computing, machine learning, data analysis, business and economics
- Reading books