

Lluc Santamaria

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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

ALBA Synchrotron, Software Engineer Intern

Cerdanyola del Vallès, ES
Oct 2024 – Apr 2025

- 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

- 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

- Delivered lectures on discrete mathematics to first-year university students.
- Served as the coordinator for some lecturers, ensuring alignment and consistency in teaching strategies

Self-employed, Private Tutor in STEM Subjects

Barcelona, ES
Dec 2021 – Jun 2024

- 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

- Prepared food accurately and quickly, ensuring quality and cleanliness standards
- Delivered fast service while handling customer orders and concerns efficiently

Education

BE Universitat Politècnica de Catalunya, Informatics Engineering

Barcelona, ES
Sept 2022 – Present

- Major in Computer Science
- GPA: 9.22/10.0
- Honors in 13 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
- Own a personal vehicle

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, UML, Ontology 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