

PROFESSIONAL PROFILE

A highly motivated Data Engineering student with a strong academic foundation and a passion for transforming data into actionable insights. Demonstrated ability to lead and collaborate effectively through roles as Class Representative and organizer of technology events, fostering communication between diverse groups and driving community engagement. Combines technical knowledge in data analysis with exceptional interpersonal skills, adaptability, and a solutions-oriented mindset. Eager to contribute by leveraging a unique blend of analytical thinking, leadership experience, and a commitment to delivering value in dynamic, team-based environments.

EDUCATION

Universitat Autònoma de Barcelona (UAB) - Barcelona, Spain

Bachelor of Data Engineering | *September 2023 - June 2027 (expected)*

- **Honors:** Mathematics
- **Relevant Coursework:** Python Programming, Business Organization and Management, Computer Networks, SQL.
- **Leadership:** Elected Class Representative

Escola Ginebró - Barcelona, Spain

High School Diploma | *September 2011 - June 2023*

TECHNICAL SKILLS

- **Programming:** Python (Advanced), C, Assembly
- **Data Analysis & Libraries:** pandas, NumPy, matplotlib
- **Databases and querying:** SQL, Database Design, Cypher, MongoDB
- **Parallel Computing, Tools & Version Control:** OpenACC, MPI, CUDA, OpenMP, Git, GitHub
- **Concepts:** Data Visualization, Algorithm Optimization, Parallel Computing

TECHNICAL PROJECTS

- **Movie Recommendation Engine** | Python, pandas, scikit-learn
Developed a content-based recommendation system using cosine similarity, achieving 85% accuracy on a test dataset.
- **Parallel Computing Optimization** | CUDA, OpenMP
Implemented parallel solutions to accelerate data processing algorithms by 40% compared to sequential execution.
- **Relational Database Design** | SQL, Normalization
Designed and normalized a relational database for a library system, optimizing query performance with efficient indexing.
- **Multimedia File Manager** | Python (os, uuid libraries)
Built a tool to efficiently locate, categorize, and play media files, improving file retrieval speed.

WORK EXPERIENCE & LEADERSHIP

Elected Class Representative and Member of the School's Governing Body | Universitat Autònoma de Barcelona (UAB) | September 2023 - Present

- Act as the primary liaison for a cohort of 60+ students, facilitating communication between the student body and faculty.
- Organized and led review sessions to improve collective academic performance and contributed to decision-making processes, and representing the student body at an institutional level.

Mathematics and English Tutor | Private Tutor | *September 2022 – September 2025*

- Tutored multiple high school students in mathematics and English, adapting lesson plans to individual learning styles.
- Improved students' average grades by 15% over one academic semester through focused exercises and problem-solving techniques.
- Developed strong communication and patience skills by explaining complex concepts in an accessible manner.

Hackathon Organizer | InterHack BCN 25-26 (UPC, UAB, UPF) | June 2025 - *Present*

- Currently co-organizing a student hackathon, coordinating logistics and participant engagement to foster innovation in technology.

Member of the Social Events Team | Finance Generation Association, FG BCN Ambassadors Team | June 2025 - *Present*

- Collaborate in the planning and organization of social and networking events to strengthen the community within the finance sector.
- Coordinate logistics and participant engagement for events that bridge the gap between academia and the professional financial world.

Event Organizer | "THE DRIVE TO DEVELOP" Conference with JetBrains | *May 2025*

- Organized a practical conference on AI-powered programming, prompt engineering, and real-world use cases for 70+ students at UAB.
- Coordinated event logistics, venue booking, and promotional activities to maximize student engagement and participation.
- Facilitated networking sessions between students and industry professionals, strengthening university-corporate partnerships.

LANGUAGE

- Catalan: Native
- Spanish: Native
- English: Advanced (C1)

EXTRA CURRICULAR ACTIVITIES

- **Invited Guest**, "Insight into Markets" Event, J.P. Morgan
- **Invited Guest**, Trading Event, UBS Zurich