

Alba Soldevilla González

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WORK EXPERIENCE

Master Control Room Technician - Catalan Audiovisual Media Corporation (CCMA) Various periods

- Management of equipment, links and communications; coordination of signal traffic.
- Operation with IP video, 4G/5G links, *streaming* and mobile units (MoJo's Live).
- Handling of satellite signal reception systems and digital *ingest/recording* workflows.
- SRT and RTMP contributions and control.

EDUCATION

2025 – present	Master for High Performance Computing Universitat Politècnica de Catalunya (UPC), Barcelona	In progress
2020 – 2025	Bachelor's Degree in Audiovisual Systems Engineering Universitat Pompeu Fabra (UPF), Barcelona	Completed
2018 – 2020	Technological Baccalaureate Institut Tarragona	Completed
2015 – 2021	Professional Degree in Guitar Conservatori de Tarragona	Completed

BACHELOR THESIS

Development of an interactive graphical API for the optimization of error probability in digital communications.

Project focused on designing and implementing an interactive web API integrating numerical computation in C++, data visualization with D3.js, and a FastAPI backend, deployed using Docker.

INTERNATIONAL STAYS & PROJECTS

- **Bilateral Agreement Program** (2023) — Sogang University, Seoul (South Korea): *Operating Systems, Fundamentals of Compiler Construction, E-Business*.
- **Erasmus+ Project** (2018–2020) — Saint Pol de Léon (France): *EcoTourism: The future is now, take responsibility*.

SKILLS

Programming	Python; C/C++; MATLAB
Data & Backend	API development; Docker; MySQL
Parallel & HPC	OpenMP; MPI; CUDA (basic)
Computer Architecture	Processor architecture fundamentals
Audiovisual	Signals and systems; IP contributions; <i>streaming</i> ; satellite
Web	HTML, CSS; touch typing

LANGUAGES

Spanish / Catalan	Native
English	B2

ADDITIONAL INFORMATION

Date of birth: 30/11/2002 | Residence: Barcelona

Areas of interest: *Computer Science, Video/Image Processing, Signals & Systems.*