

# Alba Soldevilla González

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🌐 Alba Soldevilla | 🎧 AlbaSolde



## WORK EXPERIENCE

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### 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

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

## BACHELOR THESIS

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### 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

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- **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

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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

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Spanish / Catalan	Native
English	B2

ADDITIONAL INFORMATION

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

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