

Oriol Farrés Vilar

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<https://github.com/Sterrysx/OriolFarresVilarProjects>



EDUCATION

Escola Ginebró

Primary and Secondary education

Llinars, Catalonia
September 2008 – June 2020

Escola Cervetó

Batrillerat's degree in technological studies

Granollers, Catalonia
September 2020 – June 2022

Academica International Studies (Dual Diploma)

American High School Diploma

Miami-Dade Country, Florida
September 2018 – June 2021

Polytechnic University of Catalonia (UPC)

Computer Science Bachelor's Degree at the Informatics Faculty of Barcelona (FIB)

Barcelona, Catalonia
September 2022 – Present

EXPERIENCE

Decfa's AV (Artificial Vision) Department

Position: Control Check Specialist

Summer 2021-2022

Decolletatge Farrés S.A.

Mathematics and Physics Private Tutor

Preparing students for the University Access Exam

September 2021 – Present

Granollers, Catalonia

Undergraduate Research Assistant - AEMET

Spanish Meteorological State Agency (AEMET)

Summer 2023

Barcelona, Spain

- Data Assimilation experiment using the IFS/HARMONIE-AROME Numerical Weather Prediction model.

PROJECTS

OrbitalExecutive | WordPress, AI tools, Social Management

March 2023 – May 2023

- Originated from my fervent desire to create impactful projects that serve a purpose. Collaborating with a fellow student, we identified a niche within the English market, which laid the groundwork for this endeavor.
- +750.00 followers on TikTok
- Established the largest Spanish-speaking community within our domain

InterconnectedProcessors | C++, Latex, Doxygen

March 2023 – May 2023

- Developed a simulation of the operations of a multiprocessor architecture

MyGame (Crematoria) | C++, HTML, CSS

October 2023 – December 2023

- Developed a project which simulates a complex 4-player game set on the planet Crematoria, incorporating graph algorithms to manage interactions among various units

TECHNICAL SKILLS

Languages: Catalan, Spanish, English (FCE)

Coding Languages: C++, C, Java, SQL (Postgres), Fortran, JavaScript, Python, HTML/CSS, R, Assembly, MIPS, UML, OCL

Frameworks: WordPress

Developer Tools: GitHub, Google Cloud Platform, Linux, VSCode, Mars, Proteus, Doxygen, Office365, Maple, JavaDataBaseCreators, QT, DDT, Arm Forge DDT, Makefile, Shell

GITHUB

For a comprehensive overview of my experience and access to all my projects, please explore my GitHub Repository ([CLICK HERE](#))