

DANIEL, GRAO GONZALEZ

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EDUCATION

University of Lleida , Lleida, ES Bachelor of Engineering, <i>Computer Science</i>	June 2026
STUCOM , Barcelona, ES Higher National Diploma, <i>Web Application Development</i>	June 2022
STUCOM , Barcelona, ES Vocational Certificate, <i>Computer Systems and Networks</i>	June 2020
Lycée Français de Barcelone , Barcelona, ES Secondary Education	May 2018

SKILLS & LANGUAGES

Software: Python, PyTorch, PHP, SQL, NoSQL, JavaScript, Node.js, Express, N8N, RAGs, React, MongoDB, Puppeteer, Axios, AWS Cloud, Google Cloud, Git, Postman, Power Automate, Workflow Automations, IntelliJ, Microsoft Office
Technical: Tests & Validation, Infrastructure Hosting & Deployment, Self-Hosted Infrastructure, Docker, Database Management, CI/CD Pipelines, REST APIs, Cloud Architecture, Process Automation, Web Development, AI Agent Development, Web Scraping, NGINX
Languages: Spanish (*Native*), English (*Professional*), French (*Professional*), Catalan (*Professional*)

WORK EXPERIENCE

Naturgy , Barcelona, Spain <i>AI & Automations Engineer Intern</i>	September 2025 – Present
<ul style="list-style-type: none">Led and coordinated projects, collaborating with cross-functional teams to deliver solutions aligned with business needs.Developed and deployed AI agents and RAG systems to automate internal business processes across multiple departments.Built and maintained N8N automation workflows, integrating internal tools and external APIs to streamline operations.Deployed and managed cloud infrastructure on AWS and Google CloudDesigned and implemented testing tools for internal services, improving validation coverage.Acquired in-depth business and operational knowledge by collaborating directly with internal departments	
STMicroelectronics , Grenoble, France <i>R&D Engineering Intern</i>	June 2024 – August 2024
<ul style="list-style-type: none">Developed a graphical user interface to support testing procedures.Assembled and validated indoor satellite systems, performing systematic testing.Produced technical documentation covering development processes.	
Factoria Creativa , Barcelona, Spain <i>Programmer</i>	July 2021 - May 2022
<ul style="list-style-type: none">Designed and developed client websites, managing full project lifecycle from requirements gathering to production deployment.Coordinated with third-party providers and held regular client meetings to ensure deliverables met expectations.Managed production deployments and hosting infrastructure, ensuring uptime and performance of live web applications.	
GYMIX® Radio , Dublin, Ireland <i>IT Support Intern – (Erasmus Program)</i>	June 2019 – July 2019
<ul style="list-style-type: none">Provided remote technical support to clients.Automated recurring IT processes through custom scripts, reducing manual workload for the team.Documented IT procedures creating reference materials	

TECHNICAL PROJECTS

FuelRadar

Grails, MongoDB, Google Maps API, Bootstrap, Spring Security

- Developed a full-stack web app to optimize fuel costs by locating nearby cheap gas stations and planning efficient stops.
- Integrated Google Maps API, a government fuel price API, and an external vehicle consumption API via REST services.
- Implemented responsive frontend with Bootstrap and secure user authentication using Spring Security.

ChatGPT Headless | Sora Headless

Node.js, Express, Puppeteer, MongoDB, Axios, Docker

- Built an automation system that replicates ChatGPT & Sora APIs, enabling free access without requiring official API keys.
- Implemented automatic authentication with CAPTCHA handling, element detection, and bot anti-detection techniques.
- Exposed functionality through a RESTful API built with Express, fully containerized with Docker for easy deployment.

Academic Task Calendar | Self-Hosted Web

Node.js, Express, MySQL, Docker, NGINX

- Designed and self-hosted a web application for tracking academic deadlines at Universitat of Lleida.
- Developed a scraper that extracts tasks from the Sakai platform via REST API, keeping the calendar up to date.
- Configured NGINX as a reverse proxy with SSL support, ensuring secure and reliable access to the self-hosted service.