

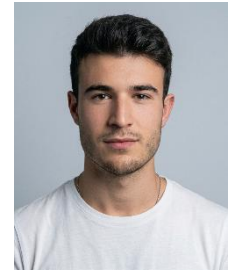
ANDER MAÑAS ALBONIGA

Address: Haltingerstrasse 16, 4057 Basel (Switzerland)

Phone number: (+34) 634 505 535 / (+41) 765733309

Email: andermanas81@gmail.com

Date of birth: 18/07/1998 | **Nationality:** Spanish



SUMMARY

Aerospace engineer with 4 years of industry experience transitioning into software development. Completed IBM AI Developer Professional Certificate and built full-stack applications with React, TypeScript, Supabase, and AI integration. Strong analytical mindset, problem-solving skills, and experience working in international, fast-paced environments. Seeking software development roles with a focus on AI applications and full-stack development.

EDUCATION AND TRAINING

2025-2026 MASTER'S DEGREE IN AI-DRIVEN SOFTWARE DEVELOPMENT

University Degree Certification by Universidad Isabel I

Practice-oriented master focused on software development fundamentals, software engineering, software architecture, testing, cloud, secure development, and AI integration. Coursework includes programming fundamentals, Git/GitHub, APIs, databases, TypeScript, clean architecture, generative AI, prompt engineering, CI/CD, Docker, OWASP principles, and final project development.

2024-2025 IBM AI DEVELOPER

Completed IBM AI Professional Certificate with expertise in AI concepts, machine learning, and deep learning. Skilled in Python, Flask, Numpy, Pandas, JavaScript, and CSS. Proficient in generative AI, chatbots, natural language processing, and software engineering. Prepared for software engineering roles and full stack developer positions. Valuable asset with AI skills and software development knowledge.

2020-2022 MASTER'S DEGREE IN AERONAUTICAL TECHNOLOGIES AND MACHINE TOOLS

“Escuela Técnica Superior de Ingeniería” (UPV/EHU), Bilbao (Spain)

Specialty: Aeronautical Technologies

2020-2022 MASTER'S DEGREE IN INDUSTRIAL ENGINEERING

“Escuela Técnica Superior de Ingeniería” (UPV/EHU), Bilbao (Spain)

Specialty: Mechanics

2016-2020 DEGREE IN INDUSTRIAL ENGINEERING

“Escuela Técnica Superior de Ingeniería” (UPV/EHU), Bilbao (Spain)

Pre-Intensification: Mechanics

PROJECTS

2026

JobTaylor | FULL-STACK AI WEB APPLICATION

Github: <https://github.com/andermanasalb/JobTaylor>

AI-powered web application that helps candidates tailor their CVs to specific job postings without fabricating experience, qualifications, or certifications.

- Built a full-stack application using React, TypeScript, Vite, Supabase, Express, and Google Gemini
- Designed the application following Clean Architecture principles, with a strong focus on maintainability and clear separation of concerns
- Implemented AI-powered CV tailoring, job-posting search, compatibility scoring, and export to PDF, DOCX, and Markdown
- Added authentication, testing, and quality practices including Vitest, Playwright, ESLint, Prettier, and Husky
- Focused on reliability and guardrails to ensure generated content remained accurate and grounded in real user data

PROFESSIONAL EXPERIENCE

2024 – Curr.

STRESS ENGINEER - MAINTENANCE (JET AVIATION - BASEL)

- Perform structural analysis for composite and metallic aircraft components across multiple manufacturers
- Produce technical calculations and substantiation reports in compliance with EASA/FAA requirements
- Collaborate with internal teams and external stakeholders to deliver high-quality engineering solutions on schedule
- Work with PLM Teamcenter in a fast-paced, international, and highly regulated environment

2022 - 2024

AERONAUTICAL STRUCTURAL CALCULATION ENGINEER (AERNOVA - BILBAO)

- Worked on structural analysis and design activities for multiple aerospace programs
- Contributed to aircraft and drone-related projects involving sizing, load analysis, and composite material behaviour
- Updated technical analyses and reports for structural modifications and assembly-related changes
- Applied structured problem-solving and engineering judgment in demanding multidisciplinary engineering environments

2020 - 2022

AERONAUTICAL STRUCTURAL CALCULATION ENGINEER (ITP – INDUSTRIA DE TURBOPROPULSORES - BILBAO)

- Designed and analysed bolted joints for aeronautical components in the Statics Department
- Used engineering software including Unigraphics, Ansys, and Megalife to support design decisions and analysis workflows
- Contributed to technical validation work requiring precision, documentation, and attention to detail

LANGUAGES

Mother tongue: Spanish

Other Languages: English - Advanced Level
Basque - Advanced Level
French - Intermediate Level
German - Basic Level

DIGITAL SKILLS

Programming & Frameworks – Python, JavaScript, TypeScript, React, Flask, Node.js, Express

Databases & Cloud – Supabase, PostgreSQL

AI & ML – Generative AI, Machine Learning, Deep Learning, NLP, Google Gemini API

Testing & Quality – Vitest, Playwright, TDD, Clean Architecture

Tools & Platforms – Git, GitHub, VS Code, Docker, GitHub Copilot

Other – HTML, CSS, Tailwind CSS, Numpy, Pandas, Matlab