

# Daniel Madac

I build products that work: iOS & Mac apps, hardware prototypes, AI automation.

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## PROFILE

I learned every job I have done by doing it. A café in Austria taught me to run a team of ten, buy, price and plan. A railway site taught me safety and heavy machines. A FabLab at Institut d'Optique taught me to turn a student's idea into a real object in a day.

Since 2025 I build software the same way: I start, I ship, I fix. I use AI agents as my team, and I understand how they work, where they fail and how to check them. With them, one person can do the work of a small studio: in 2025-2026 I designed and built about 40 apps and tools, one of them live on the French App Store.

I am looking for a team in Montpellier or remote where I can build real products, as an employee or as a freelancer.

- **Learning by doing:** from zero to a shipped result, fast
- **AI as a multiplier:** I direct and check AI agents, I do not just use chatbots
- **Hands and code:** from a 3D-printed part to the app that drives it
- **Real-world operations:** staff, suppliers, customers, money

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## EXPERIENCE

**Founder, digital studio: media, websites, AI automation** · D-CREATIONS, Montpellier / remote Aug 2025 - today

- Started in 2025 with photo and video production near Paris; now helps small businesses get found, save time with AI automation and earn good reviews.
- Shipped CineBuddy to the French App Store (Swift, Supabase); built Bouclier, an ad blocker for Safari, Chrome, Firefox and Android.
- Built native Mac apps: Phoenix Display (second screen over HEVC, 5K), YouTube Zeus (open source, local AI, MCP server), Atlas Terminal.
- Built a private AI team: a WhatsApp agent that takes tasks, plans them and hands them to coding agents (Claude, Codex, Gemini, local Qwen models), with usage limits and human approval.
- Built my own AI engineering toolkit: 2,400+ agent skills with a search server (MCP), 18 Claude Code plugins, 12 skills open-sourced on GitHub.

**FabLab Manager, Photonic FabLab** Jan 2025 - Jun 2026

**503** · Institut d'Optique Graduate School, Palaiseau (Paris-Saclay)

CDI de projet-missions; joined Sept 2024 on a short contract

- Ran the lab and its machines: Bambu Lab 3D printers (PLA, PLA-CF, PETG HF, TPU, PAHT-CF), Trotec laser, wood and aluminium CNC, photo studio.
- Coached 2 cohorts of engineering students (FIE) and 10 hosted start-ups from idea to working prototype.
- Designed and made prototypes in Fusion 360: eyewear parts, laser-cut boards, aluminium panels, fire-retardant museum models (PETG + carbon fibre).
- Wrote the lab documentation and safety rules, managed stock and consumables, built the lab database in Notion.
- Ran workshops, trainings and events to bring the FabLab into the 503's courses and start-up programmes.
- Built free tools for the lab and published them as open source (fablab-tools on GitHub).

The contract was tied to the 503 innovation project and ended in June 2026 when the university stopped funding it.

**Restaurant assistant (extra)** · Hotel Mercure Massy Gare TGV, Massy, France Feb - Apr 2024

- Evening shifts in the hotel restaurant during busy periods.

**Operator, RU 1000 track renewal train** · Swietelsky, Schwechat (Vienna) and sites across Austria 2019 - 2020

- Worked in several positions on the rail processing line of the RU 1000 train; team of 30 across 7 technical roles; machines up to 5 tonnes; safety first.

**Waiter, then manager** Apr 2016 - Aug 2023

La Dolce Vita, café and artisan ice-cream shop (Hauptplatz), Knittelfeld, Austria

Seasonal: back every season 2016-2023 (closed in winter)

- Started as a waiter and became the manager after about 5 seasons; managed a seasonal team of 10 from different countries.
- Ran purchasing, stock, production, pricing, staff planning, communication and online visibility.
- Brought the shop into the digital age: IT system, shared tools, automated routine tasks, maintained the equipment.

**Freelance web designer and IT** · Independent / Recycledwelt, Remote, Europe 2018 - 2025

- Websites for small businesses and craftsmen (Wix): forms, workflows, online payments.
- Installed home network security systems and gave IT advice.
- Ran Recycledwelt, a small shop for upcycled furniture and my own large-format photo prints.

**Short-let host** · My parents' apartment, Spielberg, Austria 2017 - today

- Booking.com and Airbnb listings, guests, pricing and cleaning; average rating 4.8/5.

**Earlier jobs** 2014 - 2016

- Waiter: Mrast petrol station, Zeltweg (2015-2016) and Admiral Sportwetten, Knittelfeld (2014-2015) · Logistics, OPC Overnight, Birmingham (2014) · Renovation, Rome.

PROJECTS

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CineBuddy · **Live on the App Store (France)**

Find a verified adult to go to the cinema with, in France.  
Swift, SwiftUI, Supabase · [github.com/fablab503-collab/cinebuddy-invite](https://github.com/fablab503-collab/cinebuddy-invite)

Bouclier · **Website live · App Store in review**

Ad, tracker and malware blocker for Safari (Mac, iPhone, iPad), Chrome, Edge, Firefox and Android.  
Swift, Safari Web Extension, Kotlin · [fablab503-collab.github.io/bouclier](https://fablab503-collab.github.io/bouclier)

Phoenix Display · **Mac app · App Store in review**

Turn another Mac into a second 5K screen over HEVC, mirror or extend.  
Swift, ScreenCaptureKit, VideoToolbox · [github.com/fablab503-collab/PhoenixDisplay](https://github.com/fablab503-collab/PhoenixDisplay)

YouTube Zeus · **Open source (MIT)**

Turns YouTube videos and channels into organised Markdown notes, with local AI summaries and an MCP server.  
Swift, Whisper, Ollama, MCP · [github.com/fablab503-collab/youtube-zeus](https://github.com/fablab503-collab/youtube-zeus)

DotWorld · **Live on the web**

The world drawn entirely as dots on a globe, built for OLED screens, with daily news per country.  
WebGL2, MapLibre, GitHub Actions · [fablab503-collab.github.io/openstreetmap-dot](https://fablab503-collab.github.io/openstreetmap-dot)

VeloTrack · **Open source · Google Play testing**

Offline bike computer for Android and Wear OS: maps on the phone, rides without signal, GPX export.  
Kotlin, MapLibre, Protomaps · [github.com/fablab503-collab/fablab-tools](https://github.com/fablab503-collab/fablab-tools)

Prototypes from the FabLab · **Case study**

Fire-retardant museum models in PETG and carbon fibre, eyewear parts, laser-cut boards and aluminium panels for start-ups and makers.  
Fusion 360, Bambu Lab, Trotec, CNC

My AI team · **Case study**

A WhatsApp agent that takes a task, plans it and hands it to several coding agents, with usage limits, reviews and my approval before anything goes out.  
Claude Code, Codex, Gemini, Qwen (local), Python

AI engineering toolkit · **12 skills open source**

A library of 2,400+ procedural skills that AI agents search instead of loading, an MCP server to serve it, 18 Claude Code plugins, and 12 skills published on GitHub.  
Claude Code, Codex, MCP, Python, TypeScript · [github.com/fablab503-collab/daniel-brain](https://github.com/fablab503-collab/daniel-brain)

**More projects:** Cinema 101 (colour grading, iPhone/iPad/Mac, in development) · Majordome (on-device AI assistant, beta) · Atlas Terminal (Mac terminal + iPhone remote) · daniel-brain (12 open-source Claude Code skills) · Local video AI toolkit · QuickTime Play (Mac)

GITHUB

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[github.com/fablab503-collab](https://github.com/fablab503-collab) · 10 public repositories, 34 in total (Oct 2026) · 150+ public commits since Sept 2025 · CI with GitHub Actions: daily news build for DotWorld, Android builds for VeloTrack · Open-source licences (MIT) on YouTube Zeus and fablab-tools

SKILLS

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**Software:** Swift / SwiftUI, Xcode, TestFlight, App Store Connect, Kotlin / Android, Python, JavaScript, TypeScript, React, Astro, Tailwind, Supabase, Git, GitHub Actions  
**AI:** Claude Code (skills, plugins, hooks, MCP), Codex CLI, Gemini / Antigravity, Multi-agent workflows with review steps, Local models (Qwen, Gemma, Whisper)  
**Prototyping:** Fusion 360 (CAD/CAM), Bambu Lab 3D printing, Trotec laser, CNC wood & aluminium, Arduino, Raspberry Pi  
**Photo & video:** Nikon Z6 III, DaVinci Resolve, Final Cut, Lightroom, Capture One, Colour grading (Log)  
**Operations:** Team of 10, Purchasing & stock, Pricing & planning, Customer service in several languages, Notion

LANGUAGES

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Italian – native · Romanian – native · English – C1 · German – B2 · French – B1 (DELFI in preparation) · Spanish – A2

EDUCATION

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| ITI G. Lattanzio, Rome: computing and telecommunications, 3 of 5 years completed (no diploma)                                 | 2010 - 2013  |
| Self-taught: Coursera, LinkedIn Learning (certificate: Generative AI for communication, Dec 2025), documentation and practice | 2015 - today |