

Daniel Madac

iOS / macOS developer

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

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Self-taught iOS and Mac developer: I design, build and ship native Swift apps, one of them live on the French App Store, and I work with AI coding agents every day.

PROJECTS

CineBuddy · **Live on the App Store (France)** github.com/fablab503-collab/cinebuddy-invite
Find a verified adult to go to the cinema with, in France. Swift, SwiftUI, Supabase

Bouclier · **Website live** · **App Store in review** fablab503-collab.github.io/bouclier
Ad, tracker and malware blocker for Safari (Mac, iPhone, iPad), Chrome, Edge, Firefox and Android. Swift, Safari Web Extension, Kotlin

Phoenix Display · **Mac app** · **App Store in review** github.com/fablab503-collab/PhoenixDisplay
Turn another Mac into a second 5K screen over HEVC, mirror or extend. Swift, ScreenCaptureKit, VideoToolbox

YouTube Zeus · **Open source (MIT)** github.com/fablab503-collab/youtube-zeus
Turns YouTube videos and channels into organised Markdown notes, with local AI summaries and an MCP server. Swift, Whisper, Ollama, MCP

VeloTrack · **Open source** · **Google Play testing** github.com/fablab503-collab/fablab-tools
Offline bike computer for Android and Wear OS: maps on the phone, rides without signal, GPX export. Kotlin, MapLibre, Protomaps

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
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)

EXPERIENCE

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

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.
• 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.

Other experience: Restaurant extra, Hotel Mercure Massy (2024) · Operator, RU 1000 track renewal train, Swietelsky (2019 - 2020) · Waiter, then manager, La Dolce Vita (Apr 2016 - Aug 2023) · Freelance web designer and IT, Independent / Recycledwelt (2018 - 2025) · Short-let host, My parents' apartment (2017 - today) · Waiter at Admiral, Knittelfeld (2014-2015) and Mrast, Zeltweg (2015-2016), logistics in Birmingham (2014), renovation in Rome

SKILLS

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

LANGUAGES

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

EDUCATION

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), 2015 - today
documentation and practice