

PROFILE

Designer and photographer with a decade of professional graphic design, photography and film. In 2026 I have been building software products, AI-assisted workflows, research systems and physical prototypes — working with AI coding agents (mainly Claude Code) under written specs, with tests, independent reviews and handoff documents. I am looking at roles as AI Product Engineer, AI Technical Generalist, AI Operator, AI Automation Engineer, Product Engineer.

SELECTED WORK · 2026

Code, CAD and documents on these projects were written with Claude Code under my direction; I set the rules, review, test and decide what ships.

FramePlan

• LIVE

Spatial product software · Sep–Oct 2026

A web app that plans canvas photo prints room by room and wall by wall, showing each one at true physical size and in correct perspective on real wall photographs.

663/663 tests passing, re-run on the released code on 27 Oct 2026

0.0013 calibration within this of ground truth at go-live (normalised image units)

45 of 46 commits co-authored with Claude Opus

StudyLab

• LIVE

AI study software · source verification · Sep–Oct 2026

A private study workspace that turns lecture notes into exam-ready material: a model writes it, deterministic code re-finds every quote and recomputes every checkable result, and anything uncertain is shown, not hidden.

104 / 104 model quotes re-found in the source text, three real-model smoke runs on synthetic notes

375 tests passing, 40 opt-in real-service tests skipped (2026-10-09)

31 / 31 integration tests against a real Neon database branch

LenScan

● IN DEVELOPMENT

Physical product · parametric CAD · Jun – Oct 2026

A film scanner I am designing to screw onto a macro lens’s filter thread, so an existing camera can digitise 35 mm and 120 film.

6 CAD configurations collision-checked by script

20/20 regression tests of the checker (27 Oct 2026)

18 print-test records, Jun – Oct 2026 (2 still planned)

Falsify-first research

○ RESEARCH

Research systems · Jul–Oct 2026

Ten research programmes, July to October 2026, and the method they converged on: freeze the test, try the cheapest kill first, record a typed verdict, keep the negative result.

10 research programmes, Jul–Oct 2026

0 trading edges claimed; no commercial opportunity validated

1.67x vs 2.13x signal separation vs break-even burden (pump-edge-learner)

AI bez slopu: Reality

● IN DEVELOPMENT

Research-backed publication · AI image direction · Sep–Oct 2026

A 68-page Slovak playbook for real-estate agents on using AI for listings, photos, staging and video without generic slop. It is made with AI assistance and shows its own corrections.

68 + cover pages laid out natively in Figma, 200 × 260 mm

62 % of 108 hand-picked public Slovak listings open with the same agency formula

30 · 54 image-model requests and images, every take logged with a verdict

MAJERČÍK

● IN DEVELOPMENT

Art direction · identity and website · Aug–Oct 2026 (website) · films 2017 and 2023

A visual identity and website exploration for my own multidisciplinary brand, art-directed on my photographs and films, critiqued round by round and rebuilt live to measured fidelity.

313.4 px live name at 1440 × 900, against 313.44 px in Figma

108 frames of one film, evenly spaced, on one screen

437 · 438 feature matches kept by RANSAC, registering two set-up photographs to their film frames

ALSO

Public Tender Radar PROTOTYPE — A local, auditable radar over Slovak public procurement (ÚVO / NKOD, TED, JOSEPHINE). It judges commercial fit separately from the procurement decision, and a missing document always means REVIEW. No language model in the loop.

Portfolio Web Lab LIVE — Four templates — a hospitality website, an e-commerce store, an architecture website and a web app — each art-directed, with a live preview.

WHAT I BRING

Verification. I trust a measurement over a model’s opinion — including my own.

AI-assisted engineering. I build with AI agents: I set the rules, specs and review gates they work under, check what they hand back, and make them leave handoffs the next session can continue from.

Product judgment. I write down what a product must never do, and hold the build to it.

Timelapse films SHIPPED — Two authored timelapse films of Slovakia’s mountains, shot over long field nights with a motion-control rig.

Visual quality. A decade of design and photography: I can tell when something is good, and say why.

Research. I can stop. I try the cheapest kill first, write down why an idea died, and what would reopen it.

Pipelines. I turn repeated work into pipelines with machine checks, and keep a human gate where it matters.

Physical prototyping. I take products past the screen: parametric CAD, printed test pieces, and a log that keeps the failures.

Documentation. Every project leaves a record another person — or another agent — can continue from.

EXPERIENCE

Digital Graphic Designer · Invelity · current

Digital design and motion; internal tools built with AI coding agents.

Photographer & Graphic Designer · True Digital s.r.o. · Sep 2017 – Mar 2025

UI and UX design, web design, corporate identity, print, product and packaging design, animation.
Photography, video and aerial work; client communication, cost estimates, team collaboration.

Photographer & Graphic Designer · Own practice — Filip Majerčík Photography · since Mar 2015

Photography, timelapse and aerial film, retouching, graphic design, animation; selling prints, stock photography and footage.
Running the business solo: clients, estimates, marketing, web, workshops.

Graphic Designer · DOUBLE RED EXPORT s.r.o. · AMICOMP BB s.r.o. · ŽP a.s., Department of Information, Media and Promotion · student years – 2017

From classroom to professional work.

EDUCATION

Digital Media Graphic Designer

Secondary vocational school of IT (SOŠ IT), Banská Bystrica

Sep 2010 – May 2014

LANGUAGES

Slovak — native

Czech — near-native (self-rated 99 %)

English — working proficiency (self-rated 80 %)

German — intermediate (self-rated 50 %)

LICENCES

EU drone certificate UAS A1/A3

Driving licence, category B

TOOLS

Build with AI

Claude Code (Opus, Fable), Figma MCP, OpenAI Responses API, fal.ai image models, Codex · ChatGPT (independent reviews)

Software

TypeScript, Next.js · React, Astro, Node, Python, Postgres · Supabase · Neon, Playwright, Vercel

Design & image

Figma, Adobe Creative Cloud, Lightroom · LRTimelapse, Final Cut, Blender renders (scripted with Claude Code)

Physical

OpenSCAD + BOSL2 parametric CAD (written with Claude Code), Bambu Lab X1C (FDM), Bambu Studio

The interactive version of this CV: majercik.sk