Maciej Klawikowski

AI-First Product Builder · Web Developer · CS & Econometrics (UG)

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PROFESSIONAL PROFILE

Computer Science & Econometrics student at the University of Gdańsk (Web Applications in Business) and Certified IT Technician. I combine analytical thinking, system & UX planning, and modern AI-first development to ship web products, AI/OCR tools, and B2B prototypes from concept to production.

SELECTED PROJECTS

Łapka Edu — Free Learning Platform `lapka.edu.pl · 2025 – 2026`

Free learning portal with 3 courses (Math, CS, English A1-C2), 300+ lessons, in-browser Python 3.12 WASM & SQLite runners, 17 KaTeX calculators, 1000+ TTS flashcards, and Google OAuth sync.

University Student Hub — Collaborative AI Workspace `Active · University Group · 2026`

Collaborative workspace for university peers: CodeMirror/KaTeX notes, lecture recorder with AI summaries, exam question generator, PDF worksheet editor, Live Whiteboard, chat, and timetable (Astro 5, React 19, Firebase).

Offline Mobile OCR & AR Scanner `PWA + Android · Offline ML · 2026`

100% offline PWA + Capacitor Android camera scanner: custom TypeScript PaddleOCR (PP-OCRv4 det+rec) on ONNX Runtime Web in a Web Worker (no OpenCV), AR tracker, IndexedDB decoder, and Vitest tests.

Portfolio + Custom CMS for a Video & 3D Artist `Client Delivery · 2026`

Client portfolio with a custom /admin studio (bulk WebP compression, MP4 clips, Three.js .glb 3D viewer), /galeria archive, Vercel Blob storage, custom domain, and live Umami Analytics.

Investment Risk Intelligence System `HackNation · B2B · 11.2026`

Team-built 4-module prototype in 24h (Ministry challenge): FastAPI + SQLite, scikit-learn + SHAP model trained on 2,497 public contracts, local OCR, HITL expert panel, 21/21 tests — commercializing B2B.

Original Action Roguelite Game `In Progress · CrazyGames → Steam · 2026`

Original action roguelite on a custom modular HTML5 Canvas 2D engine (render2d, entities, VFX, Web Audio, save) with CrazyGames SDK v3 integration ahead of Steam.

EDUCATION & EXPERIENCE

HackNation Poland — Participant (2nd Ed.) `Nov 2026`

National 24h Hackathon · Bydgoszcz

Team-built 4-module analytical web app from scratch for the Ministry of Funds challenge (FastAPI, ML/SHAP on 2,497 contracts, HITL expert panel, 21/21 tests passing).

Computer Science & Econometrics (BSc) `Oct 2025 – Present`

University of Gdańsk · Web Applications in Business

Combining computer science, databases, and web technologies with quantitative analysis, statistics, and business modeling.

IT Service Intern `Feb 2025 – Mar 2025`

Zumiko · Wejherowo, Poland

Hardware and software diagnostics, OS/system configuration, and hands-on technical troubleshooting for clients.

Certified IT Technician `Sep 2020 – Apr 2025`

Technical High School No. 2 · Wejherowo

Strong technical foundations: networking, Linux/Windows administration, SQL databases, web programming, and national IT certifications (INF.02 / INF.03).

SKILLS & TECH STACK

Analysis & Product

System planning, requirements breakdown, information architecture, mobile-first UX/UI, business modeling

Frontend & Mobile

Astro 5, React 19, TypeScript, HTML5/CSS3/JS, Vite, GSAP, Three.js, Canvas 2D, PWA, Capacitor Android

AI, ML & Backend

AI-first dev (Antigravity), ONNX Runtime Web (PP-OCRv4), Python / FastAPI, scikit-learn + SHAP, SQLite, Firebase

Cloud, QA & Security

Git/GitHub, Vercel (Blob/API), Cloudflare, DNS/SSL, Google OAuth, Umami, Vitest, Pytest, Cisco Security, IT Tech

END-TO-END DELIVERY

- ✓ Learning platforms & AI workspaces
- ✓ Mobile PWA / Android apps & offline tools
- ✓ Production sites with custom CMS & 3D
- ✓ Requirements analysis, architecture & fast MVPs

CERTIFICATES & CREDENTIALS

HackNation — Certificate of Participation
HackNation PL · Nov 2026 · Systems & Teamwork

Cyber Threat Management
Cisco Networking Academy · Nov 2024 · Cybersecurity

Certified IT Technician (INF.02 / INF.03)
National Vocational Qualification · 2025

LANGUAGES

Polish	Native
English	C1 (academic / technical)

OPEN TO

· Internship / Junior: Web Dev, Product Builder, AI-First Dev

· Business web applications, AI tools & product analytics

· Custom CMS sites, PWA apps, rapid MVP prototyping, UX/QA

I hereby give consent for my personal data to be processed for the purpose of conducting the recruitment process in accordance with Regulation (EU) 2016/679 (GDPR).