

Hlib Pakhomov

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EDUCATION

University of Warwick <i>Coventry, UK — BSc Computer Science</i>	2026 – 2029
University of Warwick <i>International Foundation Programme · Computer Science</i>	2025 – 2026
IT Step School Kyiv <i>Computer Science & Mathematics</i>	2014 – 2025

PROJECTS

Whispers at Victor's Manor <i>Desktop mystery game — Team Lead & Core Developer</i> - Designed and implemented a heap-based clue-priority engine, stack-driven undo/rewind system, and 40-scene dependency graph enforcing strict narrative unlock order - Custom tkinter GUI with live evidence panel; led architecture decisions and maintained code quality across collaborative codebase	Python · tkinter · Data Structures
Flatmate Matcher <i>Full-stack web app pairing UK university students with compatible flatmates</i> - Engineered a compatibility matching algorithm scoring 10 lifestyle dimensions (0–100); designed full-stack architecture with real-time messaging and persistent user profiles - Shipped guest demo mode to reduce sign-up friction; deployed and maintained live production environment at flat-matcher.com	TypeScript · Next.js · Supabase · flat-matcher.com
Revision Scheduler <i>Smart spaced-repetition study planner using the SM-2 algorithm</i> - Implemented SM-2 algorithm generating adaptive day-by-day exam schedules from per-topic difficulty ratings and daily time budgets - Built streak tracking, Recharts progress dashboards, and auto-rescheduling logic that rebalances the full study plan on missed sessions	TypeScript · Next.js · Supabase (In Development)

RESEARCH

Digital Divide Research — UK <i>Independent analysis of UK broadband inequality (2015–2025); revealed divide shifted from access gap to performance gap</i>	Python · Matplotlib · Statistics
Cryptocurrency & Blockchain — Ethics Essay <i>Academic essay: cryptocurrency's ethical challenges are structurally embedded in its architecture, not incidental</i>	

EXPERIENCE

Martial Arts Instructor — Kids Coach - Planned and led structured weekly training sessions for 20+ children aged 6–12, adapting to individual skill levels and group dynamics - Managed scheduling and maintained regular communication with parents and school administration	Kyiv, Ukraine (Part-time)
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ACHIEVEMENTS

- Former Ukraine national karate team athlete — competed at national and international level; sports scholarship at University of Warwick - Certificates: Claude Code in Action (Anthropic) · AI Fluency (Anthropic)	
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SKILLS & LANGUAGES

Programming	Python, TypeScript, JavaScript, HTML/CSS
Technologies	Next.js, React, Supabase, Git, GitHub, Figma, Matplotlib
CS Concepts	OOP · Data Structures & Algorithms · API Integration · Data Analysis · Linear Regression
Languages	Ukrainian (native) · Russian (native) · English (proficient)