

Jack Herman

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EDUCATION

Newcastle University

Newcastle upon Tyne, UK

BA Philosophy

2025 – Present

- Degree focused on argument, critical analysis and clear written communication; building practical technology projects alongside my studies.

Aish HaTorah

Jerusalem, Israel

Jewish Studies (Yeshiva Programme) | Philosophy and Judaism

Dec 2025 – Jan 2026

- Spent three weeks in intensive Jewish study during a 24-day visit to Israel, exploring halakhic values, philosophy and questions of personal discipline, knowledge and self-improvement.

King David High School

Manchester, UK

A Levels: Mathematics, Religious Studies and Business

2023 – 2025

Manchester Grammar School

Manchester, UK

Secondary Education

2018 – 2023

EXPERIENCE

Work Experience

July 2026

Lendhub

UK

- Designed and shipped Lendhub's internal Learning Hub, turning a broken prototype into a production onboarding and training tool used daily by staff.
- Built guided induction, real-deal assessments, certifications and rewards, a 3D employee handbook, profile-photo upload and site-wide feedback.

Shop Assistant and Cashier

2025

State Fayre Bakery

Hale Barns, UK

- Provided customer service, cash handling and day-to-day retail support in a busy local shop.

Freelance Drone Videographer

2023 – Present

Self-employed

Manchester, UK

- Produce aerial photography and videography and creative content for local clients.

PROJECTS

CGMDeskBuddy | *ESP32, C++, Nightscout API, NeoPixel, JSON*

- Built a bedside glucose lamp that reads Nightscout data and converts glucose status into an immediate colour signal using an ESP32 and NeoPixels.

Sweet Music | *Raspberry Pi, Python, Spotify API, Nightscout, Pillow, HUB75*

- Built a wall-mounted 64x64 LED matrix that displays Spotify album art and playback progress, switching to live Nightscout glucose readings when music stops.

Second Brain | *Next.js, Node.js, PM2, GitHub API, Docker, Caddy*

- Created a self-hosted personal wiki and web app with Markdown notes, chat, GitHub sync, VPS hosting and scheduled Telegram reports.

Arch + Sway Dotfiles | *Arch Linux, SwayFX, fish, foot, Waybar, Rofi*

- Maintain a daily-driver ThinkPad Linux environment with reproducible desktop configuration and theme switching.

jackherman.co.uk Archive | *HTML, CSS, JavaScript, GitHub, Documentation*

- Preserved, cleaned and documented a school-era website and browser-games archive so the original project remains understandable and maintainable.

COMMUNITY & FUNDRAISING

Magen David Adom UK - 4x4x48 Fundraising Challenge

October 2024

- Ran 4 miles every 4 hours for 48 hours - 48 miles (77 km) total - raising £2,071 for Magen David Adom UK in remembrance of October 7 and those affected.

PRACTICAL SKILLS & TOOLS

Hands-on tools: Arch Linux, Git/GitHub, Docker, Caddy, PM2, VPS hosting, DNS, ESP32 and Raspberry Pi

Project technologies: Python, C++, JavaScript, HTML/CSS, Next.js, Node.js, Nightscout and Spotify APIs

Development approach: AI-assisted coding, debugging and integration; comfortable adapting generated code, connecting APIs, deploying services and troubleshooting real systems

Other strengths: Clear documentation, practical prototyping, customer service, cash handling and client-facing communication

ADDITIONAL QUALIFICATIONS

UK CAA Drone and Model Aircraft A1 & A3 Licence: CAA International - Part of the UK CAA; valid to Aug 2028

Grade 6 Piano: Trinity College London, issued Sep 2024

Grade 5 Alto Saxophone: ABRSM, issued Sep 2023