Josh Lennon

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PROFILE

MSc Artificial Intelligence student at the University of Surrey, with a BSc in Artificial Intelligence from the University of Manchester and a first-class dissertation (76%). I build working AI products end to end: a solo multi-agent system that placed 28th globally at the Open Agent Hackathon, and a lead-generation business with paying clients. Seeking a graduate role in AI engineering, machine learning or AI consulting.

EDUCATION

MSc Artificial Intelligence, University of Surrey; 2026 - 2027

- *Modules:* Machine Learning; People-Centred AI, AI and Health, Speech and Audio Processing, AR and VR
- *Predicted Grade:* Distinction

BSc Artificial Intelligence, University of Manchester; 2021 - 2025

- *Dissertation:* Extracting Magnetic Image Data, graded First (76%). Built an image-processing application for physicists analysing magnetic field images in materials science
- *Modules:* Machine Learning; Data Science; Visual Computing; Knowledge-Based AI; Database Systems, Spanish
- Year-long team project in Java, coordinating bug fixes on a large codebase through Git and GitHub issues

Fullbrook Sixth Form, Surrey; 2019 - 2021

- **A Levels: Computing A*, Mathematics A*, Physics A**. Extended Project on AI and surveillance in Chinese and British media, presented at conferences. Relevant GCSEs: **English 9,** Computing 8 and Physics 9.

PROJECTS, CERTIFICATIONS AND EXTRACURRICULARS

Open Agent Hackathon (Sponsored by NVIDIA & SpaceX), Solo Builder; Oct 2026
28th Place Global Finisher (Reasoning Architecture)

- Arbiter, a multi-agent system that checks vendor security claims against company records (github.com/awkwardapples/Arbiter). 5 day build sprint against thousands of participants with teams of 5.
- Built 5 AI agents (Python, FastAPI, React, NVIDIA Nemotron) over a Zetaris data layer; a policy engine, not the model, makes each decision, with replayable audit trails and 0 unsafe approvals in testing

Extracting Magnetic Image Data Dissertation (1st class grade 76%):

- Dissertation with PHD potential spanning 1-year, creating an application for visual computing processing magnetic field images (heavy physics background research). (joshlennon.com/extracting-image-data)
- To be used by physics researchers I worked with as a valuable tool in materials science.

'Introduction to Deep Learning' Paper 2024

- Project spanning 1 year: Mathematical guide to understanding Neural Nets and applying advanced concepts to design and implement machine learning models with real-world applications
- Covering supervised, unsupervised and reinforcement methods focussed primarily on unsupervised generative machine learning models. (joshlennon.com/intro-to-deep-learning)

Machine learning NLP:

- Programming Supervised Natural Language Processing on news articles to identify category.
- Data science using Jupyter notebook with pandas library; matplotlib for data visualisation

Agentic AI risk assessment prototype; 2025

- Built a full-stack demo (Node.js, React, OpenAI API, retrieval-augmented generation) and pitched it to generative AI experts in London

EXPERIENCE

Mercor, AI Expert (contract, remote); Aug 2026 - present

- Evaluating and annotating AI model outputs in large-scale workflows, producing training data for model fine-tuning while keeping accuracy and throughput high alongside full-time study

GrowTrades, Founder; 2026

- Founded a digital marketing agency for local trades businesses. Real paying clients in Guildford for whom we automated the digital side of their business.
- Built one reusable lead gen engine configured per client (React, TypeScript, Zod, Tailwind CSS, a WordPress plugin in PHP), so new clients go live quickly without growing costs per site + automated GBP maintenance & SEO.

Music e-commerce platform, Co-founder; 2025

- Built a full-stack marketplace for automated beat sales and delivery using AWS equivalents: Remix, PostgreSQL, Stripe Connect and Cloudflare R2
- Consulted business clients to understand their needs, and shaped the technical product around them

Heathrow Airport, Work experience placement:

- Selected for a competitive programme with access to restricted areas, including the runways, air traffic control and security operations
- Worked in large groups and presented to senior corporate audiences, including the Chief Commercial Officer

KEY SKILLS

Programming: Python, TypeScript, JavaScript, SQL, Java, C, C++, MATLAB, HTML/CSS
AI and data: Machine learning, deep learning, NLP, computer vision, LLM agents, PyTorch, OpenCV, Pandas, NumPy, Matplotlib, Agentic Workflows
Software and cloud: React, FastAPI, Node.js, Remix, PostgreSQL, Docker, Git/GitHub, CI, Cloudflare Workers and R2, Stripe Connect, WordPress
AI coding tools: Agents, Claude Code; plan-first, test-first development with coding agents
Professional: Client consulting, presenting to senior audiences, written communication, Agile pipelines, CI/CD

Volunteering: DEBRA charity (1 week, 2018); primary school work experience (1 week, 2019), U9s rugby coaching
Interests: Songwriting and music production (writing, producing and recording my own songs), University of Surrey badminton