

PROFILE

Sixth-form student at Redland Green School with **straight 9s in GCSE Maths, Physics, Chemistry, Biology and English Language**. Using AI coding assistants, I have designed, built and released three AI and data tools that people can try today. This year I am learning to code properly, starting with Python, so I can explain every part of what I build. I plan to study AI, machine learning or computer science at university.

EDUCATION

Redland Green School, Bristol · Sixth Form (Year 12) 2026 – present

A levels: Mathematics, Further Mathematics, Computer Science, Physics

GCSEs and Level 2 Certificate in Further Maths 2026 · provisional

Maths	9	Physics	9	Chemistry	9	Biology	9	English Lang.	9
Further Maths	8	Statistics	8	English Lit.	8	Geography	8	French	5

PROJECTS

Upcurrent · AI trends dashboard Oct 2026

Free dashboard that checks GitHub, Hugging Face, arXiv, Hacker News, lab blogs and news every 30 minutes. It gives each item a 0–100 momentum score, flags names that break out across three or more sources, and compares hype with real usage.

12+ APIs and feeds · scheduled pipeline · GitHub Pages

Dormer · AI companion for Mac Sep 2026

Desktop AI assistant packaged as a native download for Apple Silicon Macs on macOS 15+, with its own landing page.
macOS app · landing site on Vercel

Rift · market research from real complaints Jun – Jul 2026

Searches seven sources such as Reddit, app reviews and Hacker News for repeated customer complaints. It clusters them with AI, scores business ideas with a fixed formula, and links every idea back to its source posts.

Next.js · AI clustering · weekly email alerts · Vercel

Skyline Ready · Android storage tool (prototype) Jun – Jul 2026

Early prototype for creators: forecast storage before a shoot, then move media off the phone with SHA-256 checks before anything is deleted. I stopped development to focus on other projects.

EXPERIENCE

Bristol Robotics Lab · Swarm robotics work experience Jul 2027

Confirmed placement, 26–30 Jul, in Prof Sabine Hauert's group. I'll help run experiments on Kilobot swarm robots that study how robots reach group decisions, and code parts of their behaviour in C.

University of Bristol · Access to Bristol, Computer Science Oct – Dec 2026

Selected for a six-session university programme including Cryptography in Python, modelling democracy with mathematics, and Artificial Evolution.

EY · Work experience week Nov 2026

Confirmed placement, 9–13 Nov, learning how a large firm works across finance and AI.

Secondary school · Work experience Year 10

Work experience placement at a secondary school.

AWARDS, COMPETITIONS & ACTIVITIES

- **Duke of Edinburgh's Award** · Bronze
- **Kumon English** · Gold certificate
- **UKMT Senior Maths Challenge** · Oct 2026
- **MEI Ritangle** maths competition · Oct–Dec 2026
- **Bebras** computing challenge · Nov 2026
- **British Informatics Olympiad** · 2026–27
- **BPhO Computational Challenge** · 2027
- **Basketball** enrichment · current

HOW I BUILD

- AI-assisted development
- Product design
- Prompting and iteration
- Vercel
- GitHub

LEARNING NOW

- Python (A-level CS)
- HTML, CSS, JavaScript
- APIs and data pipelines