

Caleb Laing

cchristianln01@gmail.com | Portfolio | LinkedIn | GitHub |

Education

Highfields School

Sep 2023 – Jul 2025

A Levels: Computer Science (B), Business (C), Mathematics (resit 2026, predicted A - Exam Centre TBD) Wolverhampton, UK

Wolverhampton Grammar School

Sep 2018 – Jul 2023

10 IGCSEs including Mathematics (8), English Language (7), English Literature (6)

Wolverhampton, UK

Experience

Panoraxis

Jan 2025 – Sep 2025

Co-Founder & Lead Developer

Wolverhampton, UK

- Built automation-focused SaaS; negotiated with **three SME pilot clients**.
- Developed production systems with **FastAPI**, **FAISS**, **Supabase** and GDPR-aligned logging/PII-safe handling.
- Delivered demos, pricing structures and deployment architecture to non-technical stakeholders, including pitching to an **international SEO agency**.

IBM

Nov 2024

Work Experience Placement

Leicester, UK

- Shadowed individuals across **CSOC analysis**, **data engineering** and **project management**.
- Gained insight into daily BAU and ad-hoc activities and essentials of project management (time & risk management).
- Used **JIRA**, **Smartsheet** and **Trello** to understand Agile workflows.

BT

Jul 2024

Work Experience Placement

Manchester, UK

- Observed real-time DDoS mitigation using Microsoft Defender/Sentinel and rule-based filtering.
- Shadowed threat hunters utilising **KQL** and automation pipelines across $\sim 4,300$ incidents/week.
- Gained exposure to sandbox detection workflows and CySOC operational coordination (incident response).

Creative Ideaz

Apr 2024

Intern

Birmingham, UK

- Collaborated with developers, SEOs and designers across AI-supported digital marketing workflows.
- Analysed Google Analytics metrics (CTR, impressions, bounce rate) to guide SEO adjustments.
- Produced AI-assisted promotional content for MiQuest; evaluated feasibility of AI-based editing pipeline integration.

Projects

Systematic Trading & Market Analytics

Oct 2025

Numpy, Pandas

- Built systematic analytics framework for on-chain metrics, volume flows and holder distributions.
- Implemented filter-based signal generation with risk-controlled position sizing.
- Achieved $\sim 30\%$ average monthly ROI over the first two months through systematic testing.

Panoraxis AI Chatbot Platform

Feb 2025 – April 2025

FastAPI, SentenceTransformers, FAISS, PostgreSQL

- Built retrieval-augmented FAQ engine using transformer embeddings with FAISS vector search.
- Implemented validation, caching and PII redaction; added unknown-query logging (Supabase) with LLaMA fallback.

NEA Stock Market Simulator

Sep 2024 – Jun 2025

Flask, HTML/CSS, SQLite, yfinance

- Developed full-stack simulator with session auth, volatility modelling and live charting.
- Integrated yfinance, transaction validation and portfolio tracking; awarded **66/70**.

Skills

Languages: Python, JavaScript, SQL, HTML/CSS, LaTeX

Frameworks/Libraries: FastAPI, Flask, PySide6, Pandas, NumPy, Matplotlib, scikit-learn

Cloud: AWS and Azure (*in progress via self-study*)

Technical Tools: Git/GitHub, Docker, Linux, PostgreSQL, VS Code, Vercel, n8n, Jupyter Notebooks, Ollama, GitHub Actions

Core Skills: Data Analysis & Interpretation, Version Control, Critical Thinking, Problem Solving, Communication, Adaptability