

EDUCATION

University of Bath

Integrated Mechanical and Electrical Engineering, BEng

Relevant modules: Linear Algebra, Probability & Statistics, Programming in C++/Python, Control Systems, Machine Learning

Bath, UK

2025-2028

Sandringham School

A-Levels: A, A, A, B – Computer Science, Mathematics, Physics, Further Maths*

Top grade in cohort for Computer Science (99% mark in AI image captioning project coursework)

Hertfordshire, UK

2022-2024

Verulam School

GCSEs: 7 Grade 9s, 3 Grade 8s, including Mathematics (9) and Triple Science (9, 9, 9)

Hertfordshire, UK

2017-2022

WORK EXPERIENCE

Team Bath Racing Electric (TBRe)

Hardware and AI Engineer

Bath, UK

Sep 2025 - Present

- Re-engineered the AI build system to support macOS ARM, increasing active contributors by ~70% and cutting environment setup time from 2+ hours to ~3 minutes.
- Designed and implemented a quick-release front steering column using actuators, enabling rapid switch between manual and autonomous modes and reducing changeover time during testing by over 1 hour.
- Developed and tuned AI control modules in C/C# within Unity simulations to improve autonomous lap time and path-tracking performance on Formula Student circuits.

Linksap Europe

Contract Recruitment Executive

Jul 2025

Hertfordshire, UK

Sep 2024 –

- Generated £30k+ in billings within six months by placing SAP professionals across Europe into contract roles, surpassing KPIs.
- Managed 360 recruitment pipeline for 30+ roles, achieving ~25% offer acceptance rate.
- Built and maintained relationships with C-Suites, VPs, and hiring managers in financial (BNP Paribas), medical (Roche) and consulting sectors (Capgemini, IBM, KPMG), tailoring search strategies to specific roles and local markets.

Lixxia London

Co-Founder/CEO

London, UK

Sep 2024 – Present

- Launched a luxury leather goods brand providing personal and co-branded corporate gifts for UK businesses, overseeing product design, supplier-chain relationships, branding and sales.
- Grew the business to £5,000+ in B2B revenue in the first year, managing the full sales cycle from lead generation and pitching through to production, quality control and fulfilment.
- Leading the D2C expansion via Shopify and Amazon for Christmas 2025, targeting £60,000 total revenue in year two by opening the brand to the consumer market alongside existing B2B clients.

STEM Tutoring

Founder

Hertfordshire, UK

Sep 2022 – Present

- Built a results-driven tutoring agency, delivering GCSE STEM lessons weekly, improving average grade by 2-3 levels within 7 months.
- Onboarded additional tutors to maintain demand and scaled to deliver 18 hours a week of lessons with a team of 3, generating £18K in the first year of creating a team, while maintaining 100% student retention and satisfaction.

Finance and Technical Projects

Stock Market Analysis App

- Built a Python Application to analyse historical OHLCV data and technical indicators for multiple equities, generating ML-based short-term return predictions
- Integrated scikit-learn models with Flask to visualise signals and backtest strategies against benchmark buy-and-hold performance.

Credit Risk Assessment Tool

- Developed a Python credit risk model assessing applicants using features such as income, credit history and debt-to-income ratio.
- Trained and evaluated classifiers (e.g. logistic regression, random forests) with scikit-learn to output probability-of-default scores, supporting data-driven lending decisions.

FutureVision – iOS AI Image Captioning and Emotion Detection App

- Created an iOS assistive app in Unity/C# that calls pre-trained computer vision trained models (via Python/Flask) to describe scenes, detect faces, and provide text-to-speech feedback for visually impaired users.

Skills and Interests

Technical: Python (strong), C# (strong), Raspberry Pi (strong), HTML/CSS (strong), C++, C, Java, JavaScript, SQL; Git, Flask, Unity, NumPy, Pandas, scikit-learn, Matplotlib; MATLAB, Swift

Courses/Certifications: TensorFlow for AI, ML and Deep Learning; Python for Financial Analysis and Algorithmic Trading

Interests: Brazilian jiu-jitsu and MMA, tennis, powerlifting, building PCs and designing robotic systems.