

Hayden Williams
hayden@haydenwilliams.dev

EDUCATION

BSc (Hons) Computer Science for Cyber Security (2nd year) – Predicted: First Class

Oxford Brookes University, 2023 -2027

A Levels - Computer Science, Geography, Business Studies

Esher Sixth Form College, 2021 - 2023

GCSEs & BTEC – 8,8,7,7,7-7, 5, 5, Di (incl. English & Mathematics)

The Hollyfield School, 2015 – 2021

QUALIFICATIONS & AWARDS

- CISCO Introduction to Networking (ITN) - CISCO Networking Academy, 2024
- CyberFirst Programme Awards: Defenders, Futures, Advanced - HM National Cyber Security Centre (UK NCSC), SQF Levels 4-6
- Sir Jack Petchey Award (Robotics) 2019
- Duke of Edinburgh's Bronze Award
- Duke of Edinburgh Gold Award – *Awaiting (incl. 5 day expedition canoeing in Wales)*
- NICAS Level 4 Climbing, including Lead Climbing

UNIVERSITY MODULES

Completed - Graded

Programming (Python): 97.98% (A+), Foundations of Computer Systems: 74.5% (A), Practical Applications (Intro to AI/ML, Networking): 71% (A), Object Orientated Programming (Java): 87% (A+), DevOps (GitHub): 89.5% (A+), Mathematics for Computing: 60% (B), Software Development with C and C++: 58% (C+) , Foundations of Security (Threat Modelling and Analysis): 70% (A), Applied Software Engineering (UML, project diagrams): 48% (D+), Switching and Routing Principles (CISCO ITN): 66.2% (B+)

SELECTED PROJECTS (www.haydenwilliams.dev/portfolio)

EligereAI - www.eligere.app/ai

Created a multi-platform, natural language to PostgreSQL-search (using REST API) app for data analysis using LLMs and .NET MAUI (C#) utilising robust security and prompt engineering. Technical Paper: <https://haydenwilliamsuk.substack.com/p/eligereai-technical-breakdown-background-a67a5ce2c31c>

Supplementary

LinkedIn: <https://www.linkedin.com/in/hayden-williams-uk/>, GitHub: <https://github.com/haydenw-uk>, Substack: <https://haydenwilliamsuk.substack.com>
Website: <https://haydenwilliams.dev>

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EligereManage – www.eligere.app/manage

Created a multi-platform library management app with real-time QR inventory tracking/management and automated reports, utilising PostgreSQL databasing (REST API). **Technical Paper:** <https://haydenwilliamsuk.substack.com/p/eligeremanage-technical-breakdown-9e473dae8367>

ID3cision – Decision Tree Classifier (ID3 Algorithm)

Implementation of a Decision Tree classifier which was created as part of a first-year university coursework project for Applications (Introduction to ML/AI) module. **GitHub Repository:** <https://github.com/haydenw-uk/ID3cision>

EMPLOYMENT

Oxford Brookes University - Peer Assisted Learning (PAL) Leader - September 2024 onwards

- Recognised as a top-performing student in cohort by the University
- Coordinating & providing programming support sessions for first-year undergraduate students

FunTech Ltd- Technology Tutor - Summer 2024

- Taught programming to UK/international students (aged 9-15)
- Skilled at tailoring technical concepts / teaching methods to individuals
- Recognised excellence by FunTech – invited back to teach regularly

TEDxOxford - IT and Data Protection Officer - June 2024 – February 2025

- Managing IT infrastructure (website, ticketing, mail) including automation (JavaScript)
- Designed new website to client specification
- Tightened GDPR compliance with TEDxOxford infrastructure and policies
- Oversaw successful running of TEDxOxford conference February 2025

OTHER EXPERIENCE

President - Debating Society of Oxford Brookes University - June 2024 onwards

- Chair & Lead committee in delivering high-quality events

Choral Scholar/ Librarian - All Saints' Church (Kingston-upon-Thames), 2017 - 2023

- Nationally recognised choir – performed around the UK, including York Minster, Salisbury & London
- Strong teamwork, communication skills coordinating the library as choral librarian

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