Hayden Williams

hayden@haydenwilliams.dev

EDUCATION

BSc (Hons) Computer Science for Cyber Security (2nd year)

Oxford Brookes University, 2023 -2027

A Levels - Computer Science, Geography, Business Studies

Esher Sixth Form College, 2021 - 2023

GCSEs & BTEC – 8 (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), **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: www.haydenwilliams.dev/eligere-ai-paper

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: www.haydenwilliams.dev/eligere-manage-paper

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 – Sept. 2024 – April 2025
- 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, 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

Assistant to the President (Memberships) – the Oxford Union - Trinity Term 2025 (Present)

- Inviting speakers, facilitating events and representing members on Access Committee

President - Debating Society of Oxford Brookes University - June 2024 – April 2025

- 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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