

## **EDUCATION**

### **BSc (Hons) Computer Science for Cyber Security (2<sup>nd</sup> 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
- 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+), LAN Techniques (CISCO): 62.15% (B), Secure Systems Programming (C, UNIX): 75.2% (A+), Enterprise Engineering (technical project management): 69.1% (B+)**

## **HIGHLIGHTED PROJECTS ([www.haydenwilliams.dev/portfolio](http://www.haydenwilliams.dev/portfolio))**

### **EligereAI - [www.eligere.app/ai](http://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](http://www.haydenwilliams.dev/eligere-ai-paper)

### **SecureBlockShare – UNIX Data System (C language)**

Implemented a daemon-based data sharing/storage system written in C for UNIX systems using local inter-process communication and designed with a security focus.

GitHub Repository: <https://github.com/haydenw-uk/sysprog-minix>

## **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 Capital – AI Consultant – July 2025 - Present**

- Working to improve internal productivity and efficiency utilising cutting-edge AI agent-based solutions

### **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**

### **The Memberships Officer – the Oxford Union - Trinity Term 2025 (March 2025 – June 2025)**

- Invited speakers (including *His Eminence, Archbishop Angaelos OBE*), facilitated events and represented members on Committee
- Led crucial sound equipment logistics for *Jacob Collier's Masterclass*
- The Shigeru Kawai Piano Company's Union representative

### **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

## **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>