

# OLUKANNI, Isaac Ifeoluwa

Newcastle upon Tyne

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## Personal Statement

I am a hardworking, ambitious, and a quick learner in Year 12 currently studying for my A-Levels. Apart from my studies, my extracurricular activities like football, badminton and the gym as well as taking part in various youth groups have helped me in developing a vast range of skills such as teamwork, patience, as well as problem-solving. I am currently in search of a role where I can gain valuable work experience and develop important skills, while contributing positively to a team. I bring a strong work ethic, a willingness to learn, and a very positive attitude to any opportunity and team I join.

## Qualifications

### St. Cuthbert's Catholic High School (Sixth Form)

(Ongoing)

A-Levels in:

Target Grades:

Mathematics

A

Further Mathematics

A

Computer Science

A

### St. Cuthbert's Catholic High School

2023-2025

GCSEs in:

Grades:

Chemistry

7

Mathematics

8

Biology

7

English Language

7

Computer Science

6

Physics

7

Religious Education

9

## Work Experience

**Date:** December 2023 - Present

**RCCG Solution Assembly**

**IT Support**

- Operating within the **Technical** department to help with the church's sound systems and the **Media and Publicity** department to manage the display of song lyrics, Bible verses, announcements, livestreams on YouTube and Facebook, cameras and timers to enable efficient church service running.
- Performing efficient cleanups and restoration of slow computer systems, as well as setting up newly procured ones, for further improvements of the teams.

- Editing drama shoots into full films for the Drama department to be displayed for the entertainment and enrichment of the church
- Successfully leading the transition of the Church's display and livestream stack from Easyworship + OBS Studio to ProPresenter + OBS Studio, along with another member of the department, for a more seamless

**Date: July 2025 - August 2025**

**ADTEK LTD.**

**Intern**

- Working at a construction site aiming to convert (renovate) a former bank building into a great housing site for students.

**Date: October 2025 - Present**

**St. Cuthbert's Catholic High School**

**Maths Tutor**

- Providing **Maths Tutoring** for a Year 8 Mathematics class, providing personalised Mathematics help and support to each pupil as at when needed to help improve their academic performance.
- Serving as an **Assistant** for the teacher of the aforementioned Year 8 class, helping out to monitor and improve pupil behaviour and attentiveness in lessons.

## Projects

### **Adaptive Revision & Quiz System - A-Level Computer Science NEA (Python & SQLite3)**

Developed an advanced, object-oriented educational platform utilizing an event-driven *CustomTkinter* GUI and a fully normalized 3NF SQLite3 backend. Implemented complex algorithmic pacing through a modified SuperMemo-2 (SM2) spaced repetition framework and a dynamic Elo-based difficulty adjustment engine. Features an asynchronous semantic evaluation pipeline that leverages a local, quantized Small Language Model (SLM) alongside fuzzy matching tokenizers to grade free-text answers. Integrated live data visualizations via *Matplotlib* and secured user credentials using SHA-256 hashing.

### **yt-dlp TUI Client (Go)**

Built a cross-platform, form-driven terminal application using *Go* and the *Charmbracelet* framework (*bubbletea*, *huh*) to act as an intuitive wrapper for *yt-dlp*, a commandline YouTube video downloader. The application features quality presets up to 4K, an automated interactive directory picker, a toggle for *FFmpeg* post-processing integration, and a responsive live log viewport. Optimized for portability, the tool includes multi-platform audio notification fallbacks and is backed by an automated GitHub Actions CI pipeline for multi-architecture building for Windows, macOS and Linux.

### **Immich Companion (Open Source Contributor)**

Contributed to the expansion of a growing a popular open-source Manifest V3 photo library extension called **Immich Companion** by **Björn F.** to Safari by engineering a native macOS wrapper app and web extension layer using Xcode and Swift. Implemented a custom API compatibility shim to gracefully handle platform variances, automated the generation of the Safari build targets via GitHub Actions to maintain single-source parity, and authored comprehensive developer documentation resolving complex Apple code-signing, Keychain Access, and runtime sandboxing constraints.

## Key Skills

### Teamwork

- Working with other members of the various church units to help ensure smooth running of various programmes as well as avoiding hitches in communication systems and use various tools like audio devices and computers.
- Receiving instructions from the site supervisor and delegating tasks with fellow colleagues at the construction site to make sure that the renovation work runs as smoothly as possible while avoiding lots of potential mistakes or even hazards that may occur at the site.
- Responsibilities of taking care of the camp while stationary or, handling maps and other supplies while hiking, for the **Duke of Edinburgh's Award** expedition were shared among members of my team.

### Problem Solving

- Successfully navigating to the end-point of the expedition despite the initial unfamiliarity and lack of experience with the tools provided: A map and compass, as well as the terrain where the hiking took place, leading my team to be the first to reach the end location.

### Working under pressure

- Staying calm and collected during church services while trying to bring solution to unprecedented issues that arise and being able to handle various demands from various other teams concerning media or technical help needed from them

## Other Skills

Confident use of the **Microsoft 365** suite of applications, especially **Word**, **PowerPoint** and **Excel**

Experience with handling, updating and managing desktop computer systems running **Windows**, **macOS**, **Linux**, mobile computer systems running **Android**, **iOS**, **iPadOS** and all other major operating systems for both platforms.

## Awards and Certifications

### Award / Certification:

### From:

Responsive Web Design Certification

**freeCodeCamp**

Silver Award

**Duke of Edinburgh**

Bolam D'or (Man of **Conscience**)

**St. Cuthbert's Catholic High School (Sixth Form)**

Very Impressive Pupil Award (**VIPA**)

**St. Cuthbert's Catholic High School**

## References

References will be made available on request