

Name: Callum Duncan

Contact Information:

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Education level: Year 11

Summary: Highly motivated and fast-learning individual with experience in coding, game development, soldering, and assembly. Strong team player with a passion for robotics. Seeking to apply skills and interests to a challenging role in the field of technology and engineering.

Education:

West Coventry Academy, Nutbrook Ave, Coventry

Predicted Grades:

- BTEC Media : Level 1 Distinction
- Business : 4
- English : 4 – 4
- History : 3
- Maths : 5
- Combined Science : 5 - 5

Achievements and Special Credits:

Duke of Edinburgh – Bronze(with aspirations to achieve the Silver level in the future): Completed the Bronze level of the Duke of Edinburgh award, successfully planning and completing a journey from the Heart of England Adventure Park to school using only a compass and map, managing resources and working as part of a team despite the challenges of not having access to phones or money.

Robotics: Successfully completed a functioning speaker project with minimal errors. Utilized skills in soldering and assembly to create the speaker using instructions, soldering equipment and various components.

Rugby: Demonstrated proficiency in rugby as part of the Duke of Edinburgh award, showcasing exceptional teamwork, communication, and athletic abilities through participation in competitive matches and regular training sessions.

Litter Picking: Contributed to the community through participation in the litter picking component of the Duke of Edinburgh award, displaying a commitment to environmental sustainability and civic responsibility.

Work Experience:

Expert Technologies Group

Job Duties:

3D Design: Created a phone stand and parts for a Robotics: Worked with various metal cutting robots, learning how they function and using a program to build my own manufacturing belt. Developed additional parts that helped the robot to reset to a set position after use, reducing calibration time from 3-6 minutes to 2-4 minutes.

Robotics: Worked with ABB robots at Expert Technologies Group, responsible for programming and operating robots to produce stoma bags on a manufacturing belt. Developed skills in programming, troubleshooting and maintenance, and contributed to improving the production efficiency of the manufacturing process.

Coding: Coded a PCB board to emulate a traffic light.

3D Design: Built a miniature demonstration piston, using a blowing mechanism to rotate and move a block up and down.

Accomplishments:

- Successfully completed a functioning speaker project in robotics.
- Demonstrated strong problem-solving and teamwork skills during Duke of Edinburgh Bronze award journey.
- Successfully participated in various rugby games as part of the Duke of Edinburgh award, demonstrating strong athletic abilities and teamwork skills.
- Successfully participated in litter picking as part of the Duke of Edinburgh award, demonstrating a strong sense of civic responsibility and commitment to environmental sustainability.

Skills/Interests:

Coding, Game development, Soldering, Assembly, Teamwork, Strong problem-solving skills