

# Callum Duncan CV

Email: [callumduncan2007@icloud.com](mailto:callumduncan2007@icloud.com)

Phone: 07742 904081

## Summary

I am passionate about design and development, driven by a diverse skill set that include coding, design, website development, and more. With an eagerness to tackle challenging roles in technology and engineering, I am committed to improving my skills to make impactful contributions.

## Work Experience

### Expert Technologies Group, Coventry

Shadow and involved with: CAD, Robotics and Coding

I did a week work experience to understand the working world and decide what field I wanted to go into, I really enjoyed my time, the people were friendly and they were very passionate about their work and enjoyed showcasing it to me.

- Designed and executed various projects utilizing CAD software.
- Developed a personalized phone stand using CAD software, tailored precisely to fit my device specifications and 3D printed the prototype.
- Established and operated a manufacturing belt, overseeing procedures and conducting simulations for optimization.
- Engineered a miniature demonstration piston using CAD software, incorporating a blowing mechanism for movement.
- Programmed a simulated traffic light system, uploaded code to a PCB, and implemented diverse output scenarios.
- Familiarized with ABB robotic machines, understanding their functionalities and troubleshooting errors effectively.

## Core Qualifications

- CAD software for design and assembly support.
- Skilled in system configurations and basic coding languages including Python, C#, HTML, CSS, and JavaScript.
- Competent in Microsoft Office tools: Word, Excel, PowerPoint.
- Logisim - Using CAD like software to design logic gate based designed.

## Education

### West Coventry Academy, Coventry

- GCSEs:

- Business: Grade 3
- English: Grade 3 - 3
- History: Grade 3
- Maths: Grade 5
- Combined Science: Grade 5 - 4
- **BTEC Media:** Distinction

During my time at West Coventry Academy, I actively engaged in a variety of extracurricular activities and educational experiences to broaden my skills and interests:

- Participating in the Duke of Edinburgh Award program, where I developed valuable teamwork, leadership, and problem-solving skills through outdoor expeditions and community service.
- Exploring various engineering and coding colleges through organized trips, which provided insight into different career paths. During one visit, I created multiple programs and utilized PCB technology to make these programs interactive. Another trip focused on learning about structures and mechanical processes for energy applications.

## Coventry College

- Currently pursuing Information and Creative Technology
- Developed comprehensive knowledge and practical skills in:
  - Studying networks, including topology, connections, and different types.
  - Creating and managing spreadsheets for handling large datasets and generating insightful reports.
  - Website development, from gathering assets to planning, designing, and implementing websites.

---

## Accomplishments :

- Successfully completed a functional speaker project in robotics - Skills DofE.
- Demonstrated problem-solving and teamwork skills during the Duke of Edinburgh Bronze Award journey.
- Actively participated in rugby games and litter picking, showcasing athletic abilities and civic responsibility as part of the Duke of Edinburgh Award.

## Skills/Interests :

- Coding
- Game Development
- Development/Design
- Strong Problem-solving Skills

**Technical Skills:** CAD, PCB Design, Logic Simulation, Python Programming, Web Development (HTML, CSS, JavaScript), Coding (C, Other Languages), Software Development, System Configuration

**Microsoft Office:** Word, Excel, PowerPoint

**Data Handling:** Data Analysis, Report Generation, Spreadsheet Management

**Engineering:** Engineering Design, Manufacturing Processes, Prototype Development, Simulation Techniques, Optimization Strategies, Assembly Techniques

**Networking:** Network Configuration, Connection Management

**Other Relevant Skills:** Game Development, Robotics, Technology Integration, Business Analysis, Mathematics

## Achievements

Duke of Edinburgh - Bronze:

- Completed the Bronze level of the Duke of Edinburgh Award, demonstrating planning and execution skills during a journey from the Heart of England.