

# LEWIS COWLE



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## SKILLS and EXPERIENCE

- Six Year Burgess Hill Rugby Club Member
- Electronic Assembly Enthusiast
- Literate in Python and SQL
- Experience with AutoCAD Software
- Two Year as a Customer Advisor at B&Q
- Experience Soldering Components

## MY PROJECTS

### Gameboard

A Milled Steel gameboard with lathed Pegs made as part of a college team from our own BS 8888 Drawings following HSE constraints.

### Speaker

Bluetooth speaker made from an ammo box, amplifier and speaker drivers. Ensuring safe power constraints are met

### Message Board

LCD Message Board utilising cloud based MQTT transmissions and protocols. Extensive use of custom code.

### Guitar Pedal

A guitar fuzz pedal made from germanium transistors soldered onto a custom PCB with potentiometers. Lots of interference reduction.

## PERSONAL SUMMARY

Aspiring engineer with a dedicated interest in all things new and advancing in both electronic and mechanical fields. With hobbies in electronic assembly, coding, and design, I utilise CAD and 3D design software. I am fascinated by new ways of designing and improving efficiency, especially through re-engineering and component selection in my projects. With experience in electronics and material fabrication processes, both individually and as part of a team, I understand the fundamentals of what it takes to produce an innovative product, lead, and be a team player. I continue to learn from those around me and have a keen eye for improvement.

## EDUCATION

### Downlands Community School

Sep 2017 – Jul 2022

#### GCSE

- English Language (7)
- Mathematics (7)
- Combined Science (8-9)
- Computing (8)
- History (7)
- Design Technology (8)
- French (5)
- English Literature (8)

### The College of Richard Collyer

Sep 2022 – Jul 2024

#### A-Levels

- Mathematics (C)
- Computer Science (B)
- Engineering BTEC (*Level 3*) (Distinction)