

LEWIS COWLE



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SKILLS and EXPERIENCE

- 6-year Burgess Hill Rugby Club member – teamwork & commitment
- Electronic assembly & soldering experience
- Python & SQL literate
- AutoCAD & Fusion 360 proficiency
- 2 years at B&Q – customer service, teamwork & trained timber saw operator

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)

EMPLOYMENT

Customer Advisor B&Q Limited

Burgess Hill | Aug 2023 – Present

- Assist customers with hardware and DIY queries
- Mix paint to exact customer specifications
- Operate vertical panel saw for timber and sheet material cutting
- Ensure safety and accuracy in all tasks
- Provide friendly, efficient service in a busy retail setting