

CRAIG COCHRANE

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D.O.B 04/02/2002

Education

Woodmill High School - Dunfermline

Most recent relevant exam results:

- | | |
|-------------------------|----------------------------------|
| – AH Physics - A | – AH Chemistry – A |
| – AH Maths - A | – H Computing Science - A |

Other Qualifications

- **Gold Duke of Edinburgh's Award**
I completed my Silver Duke of Edinburgh's Award towards the end of last year. I have also completed all of the requirements for Gold level and am waiting to officially receive the award. Both of these were tough but definitely rewarding and helped me to develop soft skills such as leadership and communication, which are as important for engineers as technical knowledge.
- **Institute of Physics Excellence in Physics Student Award**
I received this award in November 2019 for achieving the joint highest mark in Scotland in the Higher physics exam.

Work Experience

- **Work experience week at Babcock**
I completed a week of work experience at Babcock in Rosyth dockyards. This included working in teams to design and build an aircraft carrier out of small wooden blocks. These had to meet certain specifications for weight capacity when tested in water. Each team then presented our design to a group of senior engineers within the company.
- **Summer work experience at RSP Consulting Engineers**
I had the opportunity to undertake a week of work experience with RSP Consulting Engineers, a building services design firm. Throughout the week, I was shown how to use various industry software such as AutoCAD and DIALux. On the last two days, I was given work from real projects which enabled me to put what I had learned over the last few days to practical use.

Technical Skills

- **Programming**
I have been programming in python for around three years and can use it to model physical systems and circuits using VPython. I have also learned the basics of C++.
- **Breadboard Prototyping**
I have been designing small circuits like sensor circuits, oscillators and a boost converter and prototyping and troubleshooting on a breadboard.
- **Soldering**
I have recently started teaching myself to solder. I have transferred small circuits I designed on a breadboard to a finished version using matrix board.