

# Lewis Cooper

## Profile

A highly motivated BSc Astrophysics student with a keen interest in aerospace engineering. Looking to use my strong mathematical and problem solving skills as well as my proficiency in data handling and programming in the aerospace engineering sector.

## Work Experience

### Technology intern - Bright Network

June 2020 - July 2020

- I developed **effective planning and time management** skills through building a project plan for the software development life cycle of a facial recognition feature using a 'scrum' framework
- Gained experience in **collaborating** with fellow interns through sharing ideas and feedback on the final project
- Developed time management and public speaking skills through planning and producing a presentation on my idea for the software
- Refined my **programming skills in python** and gained valuable insight into the process of developing ideas through networking with industry leaders such as Amazon and Google which is reflected in my recent programming projects

### Life Guard - Caerphilly County Borough Council

October 2017 - September 2020

- Developed **strong leadership and teamwork skills** by performing regular health and safety skills. As part of my role, I was required to be able to lead a safe and successful rescue of a swimmer in multiple scenarios.
- Practiced **effective communication** and patience when instructing and speaking to swimmers
- Strengthened my time management skills through punctually preparing the leisure centre's activities on a strict schedule

## Education and Qualifications

### BSc Astrophysics - Cardiff University

September 2019 - Present

Year 2 (current) - **1st class honours** (predicted)

**Relevant modules:** Structured Programming (80%), Introductory Quantum Mechanics (74%), The Physics of Fields and Flows (55%)

Year 1 - **1st Class Honours**

**Relevant modules:** Mathematical Methods for Physicists 1 (67%), Mathematical Methods for Physicists 2 (76%), Experimental Physics 1 (70%), Experimental Physics 2 (73%), Electricity, Magnetism and Waves (69%)

### A-Levels - Ysgol Gyfun Cwm Rhymni

September 2017 - June 2019

4 A-levels (A-D) - Mathematics, Physics, Geography, Welsh Baccalaureate

### GCSE - Ysgol Gyfun Cwm Rhymni

September 2015 - June 2017

13 GCSE's (A\*-C)


## References

References available on request

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## Personal Information

3 Kidwelly Close  
Grove Park  
Blackwood  
07402308773  
[lewiscooper@outlook.com](mailto:lewiscooper@outlook.com)  
[www.lewiscooper.me](http://www.lewiscooper.me)

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## Professional skills

### Python Programming

★★★★☆

### Mathematics

★★★★☆

### Analytical Thinking

★★★★☆

### Creativity & Innovative thinking

★★★★☆

### Verbal Communication

★★★★☆

### Scientific writing

★★★★☆

### Time Management

★★★★☆

### Public Speaking

★★★☆☆

## Hobbies

Piano, Chess, Photography, Rugby, Astronomy

## Languages

### English

★★★★☆

### Welsh

★★★★☆