

## **CATHERINE SIDDLE**

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### **EDUCATION**

#### **Physics with Integrated Masters (4 years) - September 2019 to July 2023**

*University of Birmingham*

- During my degree I am currently developing skills in: Computer Modelling (Python), Designing and Performing Practical Experiments, Degree Level Mathematics, and Logical Problem Solving.
- I have achieved a first-class average in both first and second year.

#### **A Levels - September 2017 to July 2019**

*Loughborough High School*

- In Maths (A\*), Physics (A\*), Further Maths (A), and an AS in Chemistry (A).

#### **GCSEs - from September 2015 to July 2017**

*Woodbrook Vale School*

- 10 GCSEs with grades 9-7 and A\*-A, including Maths (9) and English (8).

### **SKILLS AND OTHER QUALIFICATIONS**

- I've been a member of a choir for two years. Our performances include Verdi's Requiem, Missa Brevis and 2 more performances planned for the next year, including one in Birmingham Town Hall.
- I have completed my Gold Duke of Edinburgh Award, where I contributed to the local community for two years in volunteering, 3 years of violin, and have completed two four-day canoeing expeditions.
- I took a module in Italian at university and completed German and Russian at night classes in addition to GCSE French. I am also a Member of the Institute of Physics and hold a full driving license.

### **EXPERIENCE**

#### **Outreach Officer – September 2021 –**

*Women in Science and Engineering Society, Guild of Students*

- Giving educational demonstrations about STEM to young women and running a weekly science club at a local girls' school.

#### **Volunteer Vaccination Steward – August 2021 to September 2021**

*Loughborough Hospital Vaccination Centre*

- I have completed volunteer shifts assisting covid vaccinations.

#### **Shop Assistant Volunteer – September 2020 to December 2020**

*British Heart Foundation, Birmingham*

- Charity shop volunteering, responsibilities include managing the till, customer service and organising stock.

#### **Equipment Officer - October 2019 to June 2021**

*Sober Socials, Guild of Students*

- Responsibilities included: Representing the Society at Events and Organising Society Events and Equipment.

#### **Volunteer**

*Skylarks Nature Reserve, Nottingham*

- 4 years of regular volunteer work at a nature reservation, accessing the land and planning what work must be done to manage the local wildlife.

#### **Work Experience - July 2016**

*Rolls Royce, Derby*

- Week long introduction to the Aerospace engineering industry including the maintenance, construction and managerial departments of the company.

#### **Maths Mentor- September 2017 to April 2019**

*Loughborough High School*

- 2 years of maths mentoring to students aged from primary school to A Level, in groups and one to one mentoring.

I have also taken part in the following:

- I have completed my National Citizenship Award (2017) and I was a Young Enterprise participant (financial director)
- Residential courses including: ISSET Space Competition (Kings College London), Aerospace Engineering Course (Coventry University), and an Astrophysics Course (University of Kent)