

# EVIE

# HUBBARD

UNDERGRADUATE STUDENT



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## EDUCATION

### Space Science and Robotics BSc

*Aberystwyth University*

Predicted a 1<sup>st</sup>

2022-2025

### A Level Qualifications

*Sutton Coldfield Grammar School for Girls*

2015-2022

Physics (A\*), Mathematics (A\*), and Computer Science (A), AS Further Mathematics (A)

GCSE Mathematics (9) and English Language (8) & Literature (8)

## SKILLS

### Technical

Confident:

- Java
- Python (6+ yrs)
- Arduino C and C++
- HTML, CSS and JavaScript (5 yrs)
- Object Oriented Programming
- SQL
- CAD (LTSpice)
- Sensors, Electronics and Instrumentation

Developing:

- PHP
- C
- Scientific python

### Soft

- Engaging in small teams with new people to complete projects and gain skills
- Teaching using patience and empathy to explain complex problems
- Communicating with a variety of audience to well-represent the university

## ABOUT ME

Motivated second-year student at Aberystwyth University completing a bachelor's degree in Space Science and Robotics, taking a range of modules split between computer science and physics. Actively seeking a summer placement in the field of software development and engineering to enhance my skillset.

## EXPERIENCE

### Demonstrator and University Ambassador

Aberystwyth University – Sept 2023 – present

- Assisting first years within the modules Introduction to Programming, Introduction to Computer Infrastructure and Programming with an Object-Oriented Language. Respectively, helping solve Arduino C, Linux and Java queries and problems.
- Representing the Computer Science Department on open days, showing Makerspace tools like 3D printers, discussing the course and societies.

### Robotics Club Leader

Sutton Coldfield Grammar School for Girls – Sept 2021 – Feb 2022

- Teaching and assisting year 9 students to develop their programming skills. Using scratch-like coding software to program robots of their own design

## COURSES

### HTML, CSS and JavaScript

Code First Girls – Oct 2023 – Nov 2023

- Improved knowledge of JavaScript and HTML and bootstrap, as well as confidence in using GitHub

### Software Development Virtual Work Experience

SpringPod – Sept 2023

- Improved understanding of concepts related to software development such as front-end vs back-end as well as the various career opportunities available withing the software development

## PROJECTS

### Arduino Library

Ongoing personal project

- Using C++, coded a library for Arduino to halt serial monitor output

### Encryption with GUI

Ongoing personal project- furthering a Java assignment. OOP

- Created a new encryption algorithm based on a Caesar Cipher shift which has a working GUI
- Also now introduced file handling into the code

## INTERESTS

- Formula 1
- Horse riding
- Crochet and knitting