

David Stone

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UK / US Citizen

Undergraduate aerospace engineer completing the fourth year of a master's degree. Hard working and self-motivated, with strong technical, analytical, and interpersonal skills for working in a team and efficiently completing a task.

Education

Academic Qualifications.....

- **University of Bristol** **Bristol**
MEng Aerospace Engineering, Predicted First Class 2015–2019
- **Ripon Grammar School** **Ripon**
A Levels, Mathematics (A) Further Mathematics (A) Physics (A) French (B)* 2013–2015
- **Ryedale School** **Nawton**
GCSEs, Biology (A) Chemistry (A*) English Language (A) English Literature (B)* 2008–2013
French (A) Geography (A*) Maths (A*) Music (A) Physics (A*)*

Notable Projects.....

- **4th Year Group Design Project (Ongoing): 'New Short-Range Airliner Family'**
 - Member of a 9 person team producing a comprehensive design of two airliners.
 - Upon completion, the design will be presented to a panel of specialists from Airbus for evaluation.
- **Summer Internship: 'MATLAB Based UAV Control'**
 - A continuation to the work on UAV assisted wilderness search and rescue missions that was carried out as a third year individual exploratory project.
 - Primary focus was to integrate and then develop the previously designed MATLAB simulation onto a real UAV.
 - Project was a success, with the MATLAB code able to plan search paths and could send the waypoints to a drone using Mission Planner.
 - Ability to command the drone to perform actions such as arming, taking off, and switching flight modes was developed and tested in an indoor netted arena.
- **3rd Year Individual Project: 'Path generation and following algorithms for UAV assisted wilderness search and rescue missions'**
 - A challenging project that took place over the entirety of my third year.
 - Required excellent planning and organisational skills, and the ability to investigate, plan, and prepare a piece of original research relevant to my degree.
- **2nd Year Group Project: 'Aircraft Wing Design, Build, and Test'**
 - A large group project during the 2nd year of my course to design, build, and test a 1.5m wingspan aluminium wing.
 - Worked with a team of 28 people operating as a team leader.
 - Responsible for organising sub-teams, and co-operating with various other sub-team leaders to create a design that met the requirements of the task.

Previous Experience

- **University of Bristol Drone Society** **Bristol**
Vice President *March 2018–Present*
 - After 6 months in the role of treasurer I was elected to be Vice President of the society.
 - So far this role has involved organising and producing promotional material for the society, planning events, and helping to coordinate the construction of a flying arena.
- **University of Bristol Drone Society** **Bristol**
Treasurer *October 2017–March 2018*
 - In charge of overseeing the society budget and approving purchases and expenses on behalf of the society.
 - Jointly responsible for managing an £11,000 budget for an industry sponsored event we ran in collaboration with two other societies.
- **Moorside 4X4** **Kirkbymoorside**
Land Rover Mechanic *July 2014*
 - Spent a week doing work experience at Moorside 4X4, gaining a detailed insight into the end product that engineering creates.
 - One of tasks was to strip down the gearbox of a Series 1 Land Rover to clean, repair, and replace worn parts.
- **Quasar Automation** **Mickley**
EDT Engineering Education Scheme *October 2013–April 2014*
 - One of four students in the school to be selected for The Engineering Education Scheme.
 - Project involved the use of robotics to automate a manufacturing process, and for which I achieved a Gold Crest Award.
 - Gained the highest score for originality towards solving a problem, a score only managed by one in fifty teams.

Technical and Personal skills

- **Programming Languages:** Proficient in: MATLAB, \LaTeX
Also experience with: C, C++, HTML.
- **Industry Software Skills:** Inventor (Advanced), MATLAB (Advanced), Nastran/Patran (Intermediate), Many MS Office products (Advanced).
- **General Skills:** Good presentation skills, works well in a team.
- **Other:** Good soldering skills, can write well organised and structured reports. Full, clean driving licence, held for three years.

Interests and extra-curricular activity

- In my spare time I enjoy climbing and mountaineering. I have completed a Scottish Winter Mountaineering course and have been involved in several trips abroad to pursue my passion internationally.

References

- Available on request