Alex Cavanagh

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| Form\_id: | 224 |
| Form\_date: | 17/09/2020 15:54 |
| Matriculation-number: | 2603180 |
| Degree-subject: | PhD in Aerospace Engineering (Research) |
| Study-year: | 1 |
| Degree-type: | Doctor of Philosophy |
| GPA: | nan |
| Option-1: | Aerodynamics |
| Option-2: | Aerodynamics |
| Hear-about: | Social Media (Instagram) |
| Applied-before: | No |

## Experience

I have considerable experience performing complex CFD simulations and subsequent analysis on a model F1 car as part of my Master's project on F1 aerodynamics. I also have a strong knowledge of meshing requirements and underlying fluid theory. I have experience conducting wind tunnel experimentation on a model Shell Eco marathon car, and experience with LabVIEW. I also have experience designing complex CAD models using SolidWorks.

## Why-join

It is my passion and desire to work in Formula One as an aerodynamicist. I greatly enjoy work and research within the aerospace sector, and this will provide an invaluable opportunity to get first-hand experience of what it is like to work in a racing team. I expect to further develop my excellent existing teamworking skills and technical knowledge, as well as providing guidance to other members of the team. I would like to develop management skills as head of the aerodynamics subteam in future.

## Helpful-application

With my experience of having completed my MEng in Mechanical Engineering already, I would be willing and would enjoy helping other members of the team who might be less experienced. I am competent and confident at delivering both verbal and written technical communication. As a PhD student, I have access to the Linux workstation Turing at Glasgow Uni, and experience with submitting complex CFD jobs to remote servers.

## Interview-times

Monday to Friday 12-5pm