James McFadyen

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| Form\_id: | 240 |
| Form\_date: | 18/09/2020 19:26 |
| Matriculation-number: | 2575115M |
| Degree-subject: | Mechatronics |
| Study-year: | 3 |
| Degree-type: | BEng |
| GPA: | nan |
| Option-1: | High Voltage |
| Option-2: | Low Voltage |
| Hear-about: | Online |
| Applied-before: | No |

## Experience

I'm a keen electronics hobbyist having built racing drones from scratch and various other electronics projects . I've custom ordered a PCB design for my Arduino ' Punch force Meter' to make it more compact and professional. I've knowledge of programming in C♯, PHP, Arduino and Java. My drones use power electronics, brushless motors, ESCs and flight controllers so my experience and knowledge is directly relevant to working on high and low voltage components.

## Why-join

I would love to have the opportunity to work alongside others in a team and work on an engineering project in a structured environment. I have only done relatively small projects so working on a racing car with such powerful electronic components would be an amazing opportunity for me to develop my engineering skills and also my teamwork skills. I have never had a lot of money to spend on my projects so I would love to be able to work with more costly components.

## Helpful-application

I am a highly technically minded person and would really appreciate the opportunity to work with like-minded engineers. I am passionate about power systems and electric vehicles in general which is why I chose to study for a degree in Mechatronics. I have extensive knowledge of brushless motors and batteries which I hope may be of use to the team in creating the University racing car.

## Interview-times

Any time except from 7th and 12th October.