Small hybrid rocket engine design

Code: 19/60

Company: Raptor Aerospace Ltd

Location: Scottow Enterprise Park, Norwich, Norfolk

Company Description:

Raptor Aerospace Ltd is a small space service start up providing both industry and public training courses in rocketry and space subjects under the 'Raptor Training' banner as well as developing small sounding rockets and related technologies under the Raptor Launch banner.

Project Description:

The successful applicant will work with our small team on the design and development of a small hybrid rocket engine system that can be used for both demonstration ground-tests and as the propulsion system for a small educational payload rocket. The role will involve an equal amount of hands-on engineering and of design/planning. Working alongside our small team it is hoped that the project will culminate in static test firings of the engine in early September giving the applicant experience with hot-firing rocket engines as well as design and preparation of a test facility which we're will be installing during the placement.

Applicant Specification:

We are looking for a self-motivated and enthusiastic individual who is keen to develop new skills and get stuck-in to an exciting engineering project. As a small company we primarily want a resourceful candidate who can work through problems with the team and come up with novel solutions. A level of curiosity and willingness to learn new skills and work in less familiar areas is the most important thing we are seeking.

Minimum Requirements:

An interest in space and space technology
Some experience in propulsion or engineering giving a basic mechanical knowledge.
Being on or having recently completed a degree in a relevant subject (eg: aerospace, space, propulsion or general engineering related).

Preferred Additional Requirements:
Some knowledge or interest in rockets, eg: having been in a student rocketry project/team would be an advantage. Knowledge/experience of CFD techniques would also be useful.

**Further details:**

Placement is 8 weeks starting around the second week of July (flexible depending on the applicant’s availability). £10/day travel subsidy is offered for travel to our site. Salary is £1,500 per calendar month gross.

**Closing Date for Applications: 5pm on Friday 7 June**

Applications should be made through the online form attaching a CV, before the closing date. Please note that elements of the form left incomplete will be deemed to render the application ineligible. They will be checked for eligibility and forwarded to the employer.