**Position for Entry Level Mechanical or Aerospace Engineer with Strong Programing Skills**

**General Summary:**

This position reports to the CFD Group Leader or his designee; in Kannapolis, NC. Haas F1 has an entry level position for a MAE graduate with strong programing skills.

**Key Responsibilities:**

* Promote teamwork and effective communications to develop working relationships between all personnel and departments.
* Contribute to the automation of the department’s CFD process, and analysis of results.
  + Efficiently write and de-bug programs to automate:
    - GUIs for user input and metric output
    - Importation and pre-process CAD geometry
    - Execution of simulation
    - Python based graphical representation of simulation results
    - Database manipulation
    - Analysis of images
  + Understanding and analyse features need for automation, after gathering the information form users
  + Document programs
* Follow and maintain safety standards in all venues
* Assume any responsibilities delegated by seniors

**Education:**

Degree in Engineering, Mathematics, Physics, or Computer Science. **Specialized Knowledge and Skills:**

* Interest and aptitude for numerical algorithms
* Strong analytical skill and independent problem-solving skills
* Strong written and oral communication, teamwork, and people skills

**Computer Skills:**

* Planforms: Linux and Windows
* Languages: C/C++, C#, Python, Java, and Fortran
* Web: HTML, CSS, jQuery, PHP, JavaScript
* Databases: SQL Server, MySQL, PostgreSQL

**Work Environment Physical Demands:**

An ability to work and prioritize within a high pressure, time sensitive environment while retaining a methodical approach is essential. The role may require some domestic travel and a willingness to work flexible hours and possibly some weekends.

This position may require lifting to 50 pounds, repeated bending, squatting and manual dexterity. Fast-paced work environment requiring heavy mental demands. All employees must ensure compliance with the Company Health and Safety Policy, and all relevant other statutory Health and Safety legislation.

*This job description may not detail some less major duties, nor cover duties of a similar nature, which may from time to time be reasonably required by the relevant manager.*