# CAE Engineer

**Department:- Engineering**

**Role:- This role primarily involves the development and implementation of CAE methodologies and tools to support the evolution of products and technologies within the race & road markets. The role offers significant variety through involvement with the vast range of AP Racing products and applications.**

• Working closely with the wider Engineering teams to provide effective solutions to existing and new technical challenges, through the creation and implementation of CAE tools.
• Production of technical reports and presentations, for internal and external groups.
• Analysis and interrogation of data, from various internal and external sources.
• Working with the test department to support product development programmes.
• Complete and maintain accurate, timely documentation and records as required by the business.
• Maintain the required standards of H&S and housekeeping.
• Undertake self-development activities as required by the business.
• Contribute to the continuous improvement of processes and practices operated by the company.

**Personnel Specification:-**

• The ideal candidate will be qualified to Degree level in Mechanical Engineering, Physics, Mathematics, Aeronautical, Aerospace, Automotive or Motorsport Engineering or other suitable discipline.
• Experience in the automotive field would be advantageous but recent Graduates with relevant interests would be considered.
• Experience in any of the following areas would be desirable although training and support is available:
      • Brake NVH simulation modelling.
      • Linear and non-linear structural modelling (ABAQUS and/or Altair Hyperworks).
      • Thermal modelling.
      • Computational fluid dynamics (Star CCM+).
      • CAD modelling (Solidworks).
      • MATLAB/Simulink.
      • Data manipulation and analysis.
      • Good understanding of the mechanics of materials.

**To be considered for an exciting role, please contact HR@apracing.co.uk with CV and salary details.**

**Strictly no agencies please**