

AP Racing is the world's most successful Brake and Clutch supplier to the Motorsport market, providing systems to every F1 championship winner for the past 50 years. AP Racing is also a leading supplier of Brake and Clutch systems to the high-performance automotive OEM and aftermarket.

Following continued success based on ground breaking technologies and quality, AP Racing is entering the next phase of its development both in the race and road sectors.



CAE Engineer

Status: Permanent

Advanced Analysis CAE Engineer

Reporting To: Chief Engineer – Road Car Engineering

Location: AP Racing, Wheler Rd, Coventry

Job Description:

The 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.

Activities & Responsibilities:

- 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 test department to support product development programmes.

Requirements:

The ideal candidate will be qualified to Degree level in Mechanical Engineering / Physics, Mathematics / Aeronautical / Aerospace / Automotive or Motorsport Engineering or other suitable discipline.

Prior experience in the automotive field would be advantageous.

Experience in any of the following areas would be desirable although training and support is available:

- Linear and non-linear structural modelling (ABAQUS and/or Altair Hyperworks).
- Thermal modelling.
- Computational Fluid Dynamics (Star CCM+).
- NVH testing and simulation.
- CAD modelling (Solidworks).
- MATLAB/Simulink.
- Data manipulation and analysis.
- Good understanding of the mechanics of materials.

Company Benefits:

- Competitive salary, including discretionary annual bonus scheme.
- Generous pension contribution.

Please apply by e-mailing a CV and covering letter to megan.hurley@apracing.co.uk by 13/05/2022

Strictly no agencies please

