

CAD Engineer

General Summary:

This position reports to the CFD Group Leader or designee; is located in Kannapolis, NC. The CAD Designer position creates external or internal automotive surfaces and repairs surfaces from written or oral instructions.

Key Responsibilities:

- Promote teamwork and effective communications to develop working relationships between all personnel and departments.
- Perform advanced CAD surface design work for new and current project proposals, and presentation views.
- Draws rough sketches and performs mathematical computations to develop design and work out detailed specifications of components.
- Consult with Aerodynamicists to understand requests for CAD services, to assess proper priority and to target work completion deadlines.
- Advise Aerodynamicists of subsequent delays or conflicts which may arise and result in the need to reassign CAD designers. Assure revised schedule satisfies Aerodynamicists.
- Maintain a consistently positive attitude in all interactions with peers and Managers. Promote Teamwork and cooperation among all parties.
- Follows and enforces safety regulations in all venues
- Assumes any responsibilities delegated by the CFD Group Leader or his designee.

Education and Work Experience:

BS degree in Mechanical Engineering, or similar field of study from an accredited University required. Candidates must have a minimum of 3 months documentable experience with one of the following CAD software packages: CATIA, SolidWorks, NX, Solid Edge, or Creo. Candidates must be able to demonstrate that they have experience and understand the basic best practices of solid modeling and 3D surface generation.

Specialized Knowledge and Skills:

- CATIA 3D Experience or V5 surfacing
- Ability to effectively present information top management.
- Ability to apply advanced mathematical concepts such as exponents, logarithms, quadratic equations, and permutations.
- Ability to define problems, collect data, establish facts, and draw valid conclusions.
- Highly organized with attention to detail promoting the ability to work on several projects/items at different levels of completeness at any given time in a fast-paced environment with minimal supervision
- Self-direct, plan, prioritize, organize, and accomplish the work. Use judgment, critical thinking, and decision-making skills to determine if the surfaces will comply with the scope of work
- Excellent written and verbal communication skills in English and the ability to interact professionally with other departments and outside business contacts
- Ability to work with professional consultants
- Maintain technical knowledge with regard to computers, software and design techniques.
- Learn and adapt to new programs and adjust to changes in product and client demands.
- Present a portfolio of past work