

Entry Level CAE Analyst - Job ID 11508

Allen Park, MI

Removal Date: August 3, 2016

Roush supplies comprehensive, integrated development services and provides customers with support that fuses technology and engineering. From design through prototyping, testing and manufacturing, we take our customers' visions from the sketch pad to production. We're focused, efficient, and we deliver. With over 3000 employees in more than 40 facilities across the United States, and interests around the world, Roush solves customers' problems and provides significant support to the automotive, performance products, military, entertainment, alternative fuels and consumer products industries. We are focused on performance, driven by technology, and committed to our customers' success. If you're only happy when your customers are happy, we want you on our team.

Are you an Entry Level CAE Analyst looking for a dynamic company to join? Due to our steady growth, we have an immediate opening for an Entry Level CAE Analyst who will perform analysis to aid engineering in the upfront development of vehicle architecture, virtual validation design and mold filling simulations. Applications include automotive, aerospace, military and industrial equipment. **This position is located at our Allen Park, MI facility.**

Qualifications:

- BS required in Physics, Mathematics, Mechanical or Manufacturing Engineering.
- Strong course work in structural mechanics, continuum mechanics, dynamics, noise & vibration, finite element methods.
- BS with minimum 1-2 years of experience or MS with minimum 0-2 years of experience using one or more of the following areas:
 - Analytical tools for vehicle development or structures.
 - Engineering experience in injection molding simulation such as Autodesk Moldflow.
 - Design validation experience.
 - Using mid-plane and 3D. (Academic experience will be considered)
 - Familiar with extrusion, thermoforming, material characterization etc.
- Ability to provide feedback and recommendations for parts, tool design and process to improve part manufacturing.
- Excellent verbal and written communication skills.
- Must have understanding and ability to train and mentor less experienced analysts.
- Must be a team player with excellent interpersonal skills.
- Ability to work independently with minimum amount supervision.
- Technical selling skills and ability to work with customers.

Preferred Skills:

- MS or Ph.D. degree in Physics, Mathematics, Mechanical or Manufacturing Engineering preferred.
- Thesis work involving Finite Element Methods (FEM) for problem solution.
- Experience with CAD tools or software programming.
- Ability to learn different FE software quickly.
- Willing to travel domestic & international trips.
- Demonstrated automotive vehicle structure development experience for any one of the following domains:
 - Safety / NVH / Durability
 - Powertrain
 - Ride and Handling
- Experience in Moldflow, Moldflow Plastic Injection MPI and/or Hypermesh software.
- Vehicle development and testing experience in one of the related fields.
- Willing to travel 5-10% domestically.
- US Citizenship.

To apply, please visit the Roush careers page by clicking on this link: <http://careers.roush.com>

Our benefits include: medical, dental, vision, life insurance, LTD, 401K, tuition reimbursement, paid vacation, and paid holidays.

Visit our website: www.roush.com

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EEO/AA/Veterans/Disabled