CAE R&D ENGINEER – ENTRY (THERMAL)

Posting ID: 

Company: Tranter, Inc

Position Type: Full-Time Employment

College Major(s): Mechanical Engineering

Company Website: www.tranter.com

Work Location: Wichita Falls, TX

Salary:

College Level(s): Bachelors’ Degree but Master’s preferred

OVERVIEW

Under direct supervision, research and develop methods to simulate and experimentally verify heat exchanger thermal-hydraulic performance and drive design of future products.

Accountabilities

- Assist in creating and driving Product Development key metrics
- Help drive the lean enterprise system in R&D processes
- Follow HSE (Health, Safety and Environment) and related work instructions and assist implementation of HSE regulations and policies
- Assist with complex or specialized projects.
- Analyzes production methods to ensure time and cost goals are reached

Roles and Responsibilities

- Assists with designing new products and processes and improving and maintaining existing products.
- Communicates with the other engineering personnel to coordinate the interrelated design and assure project completion.
- Assist in conducting fundamental or applied research which requires knowledge of a number of disciplines to improve, or generate new; products, components, equipment, systems, and processes.
- Assist in planning, designing, and conducting less complex research projects using existing or new scientific methods and theories to solve problems; and improve, or generate new, products, components, equipment, systems, and processes.
- May conduct design analysis on components and/or assemblies to assist in the development process by ensuring designs are cost efficient, manufacturable, and reliable.
- Activities may include devising research methods; setting-up laboratory test equipment; building models and prototypes; calculating and analyzing test results and preparing detailed reports with recommendations and conclusions.
- Prepare less complex calculations, specifications, and other technical documentation so that prototype designs can be manufactured and assembled.
- Develop and maintain technical expertise on advances and innovations in research and science.
- Other duties as assigned.
Education and Qualifications

- B.S. Mechanical Engineering or similar engineering discipline
- M.S. Mechanical Engineering preferred
- 1-2 years of experience in R&D Engineering role preferred
- 1+ years of experience in Computational Fluid Dynamics Analysis

Preferred Skills

- Maintain compliance with organizational Core Values
- Demonstrate organizational Leadership Competencies
- Demonstrated success in managing small projects
- 3D CAD proficiency (Autodesk Inventor Preferred)
- Experience in CFD simulation studies (Star CCM preferred)
- Material science general knowledge
- Excellent written and verbal communication skills
- Excellent teamwork skills and interpersonal relationship skills
- Comply with R&D and Company SOP’s.

How to Apply

Send your resumes to Shawoon Roy at shawoon.roy@tranter.com and CC their HR department at hr@tranter.com.