



About ThermAvant Technologies

ThermAvant Technologies (ThermAvant) is a fast-growing engineering and manufacturing firm. We design and produce advanced heat sinks and heat spreaders based on the Oscillating Heat Pipe (OHP) technology and pumped microchannel cold plates for high power density applications. ThermAvant, founded in 2007, operates from a 33,000 sq. ft. facility in Columbia, MO and is AS9100 certified, ITAR compliant and primarily serves the aerospace, defense and opto-electronics sectors.

Role: Thermal-Mechanical Engineer Level I/II/III (on site)

ThermAvant is seeking a full-time, Level I/II/III Thermal-Mechanical Engineer focused on research and development. The successful candidate will be able to devise experiments and analyze results, develop 3D models using SolidWorks, work on a project from conceptualization to completion, and write technical documentation.

Key Responsibilities

- Interact with customers and project leads to fully understand product requirements and develop cost effective and innovative solutions
- Design and develop components based on product and customer requirements
- Create solid models, parts, assembly, and inspection drawings, as well as product travelers
- Design products that fit our manufacturing capabilities
- Ensure compliance with company standards
- Material procurement as required; place purchase orders, manufacturing work orders, and work with vendors to manage delivery schedules
- Develop laboratory test plans to ensure compliance with customer's key product characteristics

Minimum Qualifications

- Minimum of a Bachelor of Science degree in Mechanical Engineering from an accredited university
- Prior experience creating 3D models and drawings with SolidWorks or other CAD software
- Proficiency in MS Office including Word, Excel, PowerPoint and Outlook
- Excellent written and verbal communication skills
- Authorized to process ITAR compliant data (U.S. Citizen or U.S. Permanent Resident required)

Desirable Skills

- 5 years of research experience
- Experience designing and running thermofluids experiments in a laboratory environment
- Knowledge of manufacturing operations (CNC milling, turning, TIG welding, Laser Welding)
- Experience with programming in Python, Matlab, or other language
- Experience with data acquisition and test automation in a laboratory environment including LabView

Salary and Benefits

- Schedule: Full-time 40 hrs M-F (flexible within 7 am to 6 pm time frame, with approval, if necessary)
- Location: Columbia, MO facility
- Base Pay: Salary, TBD
- Bonus Pay: All full-time employees participate in performance-based compensation plan
- 100% employer-paid health/dental/vision premiums for employee

Thermavant is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees. Send your resume to careers@thermavant.com