



BME, PDM, AND ME STUDENT ENGINEER POSITION

PURPOSE OF THE ROLE: The student engineer will support design, development, and testing activities with a focus on medical devices while under guidance and supervision of senior engineer and project manager. This role will also remediate current design history files as well as develop new products in support of industry sponsored projects. Strong SolidWorks® and hands-on experience are highly desired.

ESSENTIAL DUTIES AND RESPONSIBILITIES: – *Other duties may be assigned*

- 3D modeling / design using SolidWorks®
- Evaluate proposed changes to existing products and complete deliverables required to implement the change through individual efforts or cross functional teams
- Ensure that product changes meet both internal and external customer requirements
- Conduct the development and evaluation of designs which meet defined product requirements and that are optimized for production, reliability, and overall cost to the business
- Support design/sustaining functions of acquisitions and other business migrations
- Recommend and communicate project plans, meeting minutes, action items and deliverables, and manage time to meet project deadlines
- Participate in troubleshooting and problem-solving efforts related to development projects
- Provide thorough engineering and data analysis (e.g. FEA, CFD, statistical analysis)
- Work with clients throughout development phases to ensure that products are produced in a safe, efficacious and quality manner while keeping within established time frames and budgets
- Interface with clients, suppliers, manufacturers and various internal groups to resolve design and manufacturing issues of new and existing products
- Provide general technical assistance to clients and internal team members as necessary in the exploration of new opportunities and/or problem-solving issues with existing products
- Learn additive manufacturing (AM) 3D printing technologies & design considerations for AM, develop quotes for AM jobs
- Lay out and print polymer and metal AM components
- Perform other tasks or projects as assigned by manager

EDUCATION, EXPERIENCE, QUALIFICATIONS AND SKILLS:

- Enrolled and pursuing a bachelor's degree in biomedical engineering, product design and manufacturing engineering, or mechanical engineering
 - Preferred hands-on capabilities and interest
 - Preferred experience with additive manufacturing and basic machine tool operation (mill, lathe, etc.)
 - Skilled in SolidWorks® 3D modeling
- Prefer candidates in their sophomore year or beyond and ready for co-op rotation

LOCATION:

- Primarily at the GVSU Shape Corp. Innovation Design Center (IDC).
- Client site visits may be required, with transportation provided by AMDI staff if needed.

Contact info@amdisolutions.org for more information

Equal Opportunity Employer

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