

**Position Summary:**

The Mechanical Engineer's responsibilities will include contributing to the development, validation, and regulatory approval of a novel robotic tool for use in orthopaedics and neurosurgery, and for providing engineering support for other projects.

**Position Responsibilities:**

- Working knowledge of 3D CAD systems (ProEngineer preferred)
- Mechatronic design/implementation experience, e.g. working with motors, encoders, position/velocity/temperature sensors
- Electro-mechanical testing including writing protocols and reports and working with
- Test equipment and fixtures such as Instrons.
- Proficiency with Data Acquisition Systems (LabView or similar)
- Prototype building and fabrication skills.
- Machining experience and proficiency with standard machine shop tools and equipment (lathe, mill, etc.)

**Education:**

- Bachelor's degree in mechanical engineering (or similar)
- Master's degree in mechanical engineering preferred

**Experience and Knowledge:**

- At least 3 years experience in an FDA regulated company developing, manufacturing, and testing complex mechanical or electromechanical devices
- Direct experience preparing medical devices for FDA approval
- Experience executing V&V testing plans for medical devices
- Experience working with production environments to build high-quality products
- Experience working within the FDA's GMP regulations
- Experience in setting up an FDA compliant manufacturing environment – developing assembly
- Protocols, writing and executing inspections procedures, documenting builds, etc.

**Working Conditions:**

Office conditions represent the primary working environment. Extended hours may be required to complete projects within established time frames. Local or National Travel 10%. Exposure to Cadavers and possible Blood Borne Pathogens. Light physical effort required in handling objects up to 50 pounds occasionally.

**NOTE:** The above statements are intended to describe the general nature and level of work being performed by employees assigned this job. They are not exhaustive lists of all duties, responsibilities, knowledge, skills, abilities and working conditions associated with the job. Additional functions may be required to meet company objectives.

- Please submit resume and cover letter to [info@dareent.com](mailto:info@dareent.com) or fax to 412-231-6101