



Gravitas Medical, Inc.  
101 Mississippi St  
San Francisco, CA 94107

## **Job Description: Product Development Engineer**

### **COMPANY DESCRIPTION**

Gravitas Medical is revolutionizing enteral feeding with smart feeding tubes, monitors, and pumps. See <https://www.gravitasmedinc.com/> for more information.

### **POSITION DESCRIPTION**

The Product Development Engineering position supports all product development engineering activities including but not limited to design, testing and manufacturing of the Gravitas nasogastric feeding tube system.

### **ESSENTIAL FUNCTIONS**

- Lead an engineering project, providing regular updates and delivering to mutually agreed upon milestone dates.
- Work with clinicians and data scientists to develop new products for the Gravitas platform.
- Design fixtures and develop procedures to manufacture the Gravitas nasogastric feeding tube system. Make recommendations based on data and quantitative analysis.
- Perform device design reliability engineering activities including test equipment and fixture design, test setup, data analysis and reporting.
- Develop and execute test methods to benchmark the Gravitas system compared to commercially available products.
- Develop and perform verification testing and product validation testing
- Work with outside vendors to manufacture components and subassemblies that comply with the Gravitas QMS
- Prepare technical product documentation including design history files, drawings, bill of materials, test protocols and reports, engineering change orders, etc while complying with the Gravitas QMS.
- Drive hands-on fabrication and testing of prototypes using bench testing, animal and/or cadaver studies to evaluate product designs, and recommend and implement design modifications.

### **REQUIREMENTS**

- Minimum of a bachelor's degree in mechanical engineering, bioengineering, electrical engineering, or similar field is required. Master's degree is preferred.
- Minimum of 5 years medical device industry engineering experience. Catheter and electro-mechanical system experience is a plus.



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- Proficient in CAD, preferably SolidWorks

#### **OTHER QUALIFICATIONS**

- Startup experience preferred.
- Excellent interpersonal written and verbal communication skills.
- Strong team-working and communication skills. A drive to get the job done in the face of obstacles and time constraints, and a willingness to jump in wherever needed.
- Competent using office software including MS Word, Excel, Internet Explorer, PowerPoint, and Outlook.
- Proficient prototyping concepts and working in the machine shop.
- Instron use and Instron test method programming is a plus
- Labview experience, and general programming experience is a plus
- Robotic and electromechanical device/fixture design experience is a plus
- Laser welding experience is a plus
- 3D printing experience is a plus

To apply, please send your resume to [hr@gravitasmedinc.com](mailto:hr@gravitasmedinc.com)