



Job Description

JOB TITLE: COLLEGE CO-OP, PRODUCT DEVELOPMENT	
BUSINESS DIVISION: WISHBONE MEDICAL INC	Status: HOURLY/NON-EXEMPT
DEPARTMENT NAME: NEW PRODUCT DEVELOPMENT	Type: FULL-TIME
WORK LOCATION: CORP – WARSAW, IN	DATE: 1/12/2022

SUMMARY: The position of Product Development Engineering Co-Op will work under direct supervision/guidance of a development engineer to create and test new product designs and formulate manufacturing specifications. Together, they will design new medical devices from conception to launch. With a cross functional team, the Product Development intern will document user needs and translate the needs into design inputs. The team will create designs according to the design inputs as well as verifying and validating the user needs in a simulated clinical setting. This is accomplished by maintaining WishBone Medical's principles of Safety, Quality, Customer Satisfaction and Innovation.

ESSENTIAL DUTIES AND RESPONSIBILITIES: *(includes the following but other duties may be assigned)*

- Complete basic design control documentation to be included in a product design history file, including:
 - Writing and/or verifying user needs and product specifications
 - Verification and testing processes
 - Raw materials and product
 - Risk mitigation and validation activities
 - Work with cross-functional groups to assess and implement design for manufacturability and inspection requirements
 - Create 3D parameterized models, and complete engineering drawings using Siemens NX and SolidWorks
 - Identify and critically analyze functional relationships between mating components in a product/device
 - Document and justify changes made to product features across several print and model revisions
 - Participate in Design Reviews and related project meetings where CAD designs and/or drawings, as well as pertinent design inputs and concepts, are reviewed
 - Assist cross-functional teams with developing part GD&T to optimize fit, form, and function of new and existing products
 - Document, initiate and lead engineering change notices with cross functional team

QUALIFICATION REQUIREMENTS:

- In pursuit of a B.S. in Engineering, preferably Mechanical Engineering or Biomedical Engineering
- Able to create, read, and interpret engineering drawings
- Machining and materials background
- Siemens NX CAD software experience
- Flexibility in dealing with more than one project at a time
- Availability to work January 2022 – May 2022, preferably January 2022 – August 2022

OTHER SKILLS and ABILITIES:

- Proficient in MS Word and Excel required
- Must be organized, detail-oriented, and self-motivated
- Ability to manage multiple tasks and projects

- Strong written and verbal communication skills
- Ability to work effectively in a fast-paced team environment

PHYSICAL DEMANDS: The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodation may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to sit and talk or hear. The employee frequently is required to stand; walk; and use hands to finger, handle, or feel objects, tools, or controls. The employee is occasionally required to reach with hands and arms. The employee must occasionally lift and/or move up to 20 pounds.