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Coeur d'Alene, ID 83814
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Mechanical Engineer Job Description

xCraft is the fastest growing drone manufacturer in the Northwest. Our mission is to develop powerful flying machines that change the world. A mechanical engineer must be a rock star employee that is responsible for the structural design of our products. This position works as part of a team to accomplish this goal, and reports to the Mechanical Engineering Manager.

Primary Tasks:

- Mechanical design and prototyping (3D Printing, Machining, etc.)
- Developing and executing mechanical tests and writing test plans and test reports.
- Creating and managing project timelines.
- Setting up and directing design reviews.
- Coordinating with internal and external engineering teams.
- Oversee and directing a team of up to three drafters.

Must possess the following skills:

- Solid Modelling
- Thorough understanding of materials.
- Understanding design requirements and ensuring the final design meets them.
- Appropriately balancing design efficiency, product cost, and manufacturability in design.
- Excellent interpersonal communication skills
- Good personal time management skills

Must be competent using the following software:

- SolidWorks
- MATLAB
- Microsoft Office
- Google Drive
- Google Docs/Sheets/Forms
- Slack – For team communication/instant messaging
- Wunderlist – for task lists/sharing/tracking
- Asana – for setting and tracking schedules and remote team coordination

Common Tasks:

All xCrafters take part in common tasks. We are all expected to keep our work area and common areas clean and functional. If you notice something needs to be done, do it! ☺

- Office cleanup – sweeping, dusting, general organizing, taking out trash, vacuuming, etc.
- Kitchen patrol – washing dishes, making coffee, refrigerator cleaning, counter cleanup, etc.
- Answering phones
- Shipping/Receiving – packing, creating shipping labels, taking packages to post office, etc.
- General labor as needed
- Performs other duties as assigned.

Acceptable Experience and Training:

- Bachelor of Science Degree in mechanical engineering
- Two (2) years' experience in a related field is required; or
- An equivalent combination of education and experience that provides the required skills, knowledge and abilities to successfully perform the essential functions of the position may be considered.

Physical Duties & Work Environment:

While performing the duties of this classification, the employee is frequently required to stand, walk, sit, stoop, kneel, bend, use hands to manipulate and make adjustments to tools used in performing the essential functions of the classification, and reach with hands and arms. The employee must frequently lift and/or move up to 25 pounds and, infrequently, up to 50 pounds. Specific vision abilities required by this classification include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus. Sufficient clarity of speech and hearing abilities required by this classification includes those which permit the employee to discern verbal instructions and communicate effectively in person and by telephone and to discern safety warnings such as alarms and emergency warning sounds. While performing the duties of this classification, the employee works in an indoor building and outdoor setting where the noise level in the work environment is usually moderate but during times of configuration and testing can be louder, and that includes exposure to inclement weather for outside testing.

I have read, understand, and agree to this job description.

Signed _____ Print _____

Date _____