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Entry Level Mechanical Design Engineer

RZ Automation Inc. is an automated system design and integration company that provides services to a variety of industries. RZ utilizes ever-evolving techniques and tools to provide robust cost-conscious systems capable of performing at a high degree of precision. Heavily focused on the integration of robot arms, from simple machine tending to complex vision inspection. RZ's exposure to a large market of manufacturing environments enables us to provide intelligent solutions to various challenges.

RZ Automation, Inc. is seeking applicants for a full-time, entry level Mechanical Design Engineer position. This person will provide research, development, and design of new automated systems and components. Position activities will encompass the creation of mechanical and pneumatic designs, including materials sourcing, print set creation, prototyping, manufacturing and assembly instructions, and testing of system components. The Mechanical Design Engineer will work closely with other departments to create cohesive designs and provide mechanical knowledge as needed.

The ideal candidate is a self-starter, proficient in mechanical design with acute attention to detail. This person will be a key instrument in designing, testing, and troubleshooting of our mechanical solutions. Come prepared with expert knowledge and industry awareness to work alongside RZ's team, integrating systems for our customers and serving as a resource post-implementation.

Required Skills and Duties

- Create detailed robotics automation designs in order to achieve the project's functional requirements with the assistance of the mechanical design team lead;
- Work with vendors on development of cost-conscious designs and part sourcing;
- Convert engineering designs into purchase order requests, drawings, and installation details/instructions;
- Provide support to manufacturing and mechanical related engineering problems;
- Perform design and risk assessments in order to conform to compliance with applicable industry standards;
- Review and test system designs in order to determine compliance with functional requirements;
- Assemble all required documentation created in order to transfer essential knowledge to end user;
- Review and implement improvements or corrective measures as needed;
- Assist in establishing or modifying standards, templates, and guidelines for continuous improvement of the company;
- Research and implement cost savings opportunities when able;
- Ability to travel and visit customers in order to gather information and review designs;
- Be able to manage time and appropriately prioritize tasks in order to meet deadlines;
- Be willing to assist other departments as needed to help the team accomplish goals.

Qualifications

- Bachelor degree in Mechanical Engineering, Robotics, Automation, or similar field;
- Have an in-depth knowledge of various manufacturing methods and techniques;
- Expert knowledge of Solidworks 3D CAD modeling software and PDM Vault (Designs Control), working knowledge of AutoCAD;
- Effective technical communication skills, both written and verbal.

Email cover letter and resume to hr@rzautomation.com

RZ Automation, Inc. is an equal opportunity employer. The above statements cover what are generally believed to be principal and essential functions of this job. Specific circumstances may allow or require somewhat different combination of duties. The above statements should not be construed as an offer or guarantee of employment.