

Job Description: Product Designer(Mechanical/Industrial)
Downtown Nashville, TN
Arciplex, LLC

About us:

We make stuff. We are a team of problem-solvers that develop physical products. For that reason, each team member carries responsibility and has a large impact on our success as a team. We are people who take initiative and are not just looking to be told what to do; people who are insatiably curious about how things work and who are always thinking of ways to improve them. There is no “back-of-house” to hide in. We all interact with clients and therefore we are all friendly and clear communicators. Because each project we work on is completely new in some way, we have to be quick to identify risks and test solutions as efficiently as possible. We work with rapid, iterative mockups and prototypes. We don’t use a CNC machine and paint when popsicle sticks and hot glue will work. We know that, in development, ten quick models are worth more than one nice one. The more quickly we can come up with solutions in a hands-on way, the better off our customers will be.

About you:

You are addicted to learning new things, even if you’re not sure when you can use the knowledge. You pride yourself on being a good communicator which allows you to take vague input and ask the right questions until you have a clear goal and direction. You have become good with Solidworks because you’ve learned it on your own time, and not just waited for school or work to teach it to you. You are comfortable with using power tools, but you’re careful enough to not make all of us uncomfortable with you using them. You think that mass production processes are totally interesting and you have a working knowledge of many different ways to make things. To you, making things and solving problems is the most fun you could have at a job, and that’s why you are reading this now.

In this role, you will:

- Build production-level CAD models using Solidworks.
- Scrap together many quick mock-ups from all kinds of materials
- Design and assemble high quality prototypes that are a good representation of the final production processes.

- Work with clients to interpret their needs and wants and keep them engaged in their process.
- Work closely with the team to smoothly integrate other people's work into a cohesive product.
- Identify constraints and risks on project objectives related to technical, cost, and schedule limitations.
- Help in drafting appropriate project goals and schedules.
- Work from vague descriptions of product functionality to establish well defined input requirements and output specifications.
- Test products and concepts for validation and certification requirements.
- Provide excellent documentation for your designs from initial research to calculations to finished specifications for manufacturing.

Qualifications:

- Bachelor's degree in Mechanical Engineering or Industrial Design
 - Equivalent degrees or experience will be considered
- Advanced Solidworks Experience
- Experience with prototyping and design for manufacturing
- Driven to create
- Eager to learn and grow
- Desire to be part of a team
- Strong communicator
- Hand sketching is a plus
- Highly self motivated
- Enjoys making things
- High Energy
- Positive