



Electrical Engineering Contractor

Location: San Francisco, CA preferred, remote hires considered

Duration: Temporary, 3-4 months at 50% FTE

About D-Rev

D-Rev is a USA-based NGO that designs and delivers medical technologies to close the quality healthcare gap for underserved populations. We are a portfolio design company that prioritizes the user in the development of products, and have been recognized by Fast Company as one of the World's Most Innovative organizations and the World Economic Forum as a Technology Pioneer. The scaling of our first product Brilliance is monumental in global health – it is one of the earliest examples of a nonprofit-developed global health product scaling through the market and impacting the world's poorest patients. To date Brilliance phototherapy has treated over 250,000 babies and has been sold in over 40 countries.

About the Position

D-Rev is seeking an electrical engineering or electromechanical engineering contractor to work collaboratively with our technical team to develop the next version of our concept neonatal CPAP prototype, which is part of our program to address Newborn Respiratory Distress in low-income countries. Respiratory Distress is estimated to be responsible for the majority of the 1 million babies that die each year from prematurity related causes, and we believe that our innovative approach to CPAP can go a long way to addressing and preventing these unnecessary deaths.

Primary responsibilities will include:

- Circuit and board design to create a pilot production version of our current Arduino concept prototype
- Identifying, recommending, and procuring components such as sensors and controllers
- Create engineering drawings to define your designs
- Work with prototyping houses to produce small test lots of your design
- Propose test procedures to adequately verify performance and durability
- Contribute to product testing execution and iteratively modify designs to hit intended performance specs
- Create reports and document your work in our cloud PLM system

Our ideal candidate will have the following characteristics:

- Minimum of 4 years of professional EE or Mechatronics engineering experience
- Experience with signals analysis, design of closed-loop control systems, and mechanical mechanism control
- Working knowledge of designing and executing benchtop tests, ideally in a medical device environment
- Familiar with technical documentation best practices. Experience working with medical quality systems is preferred but not required.

How to Apply:

- Please send resume to Vin Narayan (vnarayan at d-rev dot org)

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D-Rev is a 501(c)(3) non-profit organization.