



## **Electrical Engineering Contractor**

**Location:** San Francisco, CA preferred

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

### **About D-Rev**

D-Rev believes that good health is a human right. The need for quality healthcare spans the economic spectrum. Regardless of where you are from and what you do, health is critical to well-being, productivity, and autonomy. For people to live their best lives, they must be healthy. We exist to design and deliver medical technologies that 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. D-Rev now has a portfolio addressing four critical health issues. To date, over 500,000 patients have used a D-Rev device, and we have had sales in 60+ countries.

Over the next three years, D-Rev is expanding our product portfolio to 6+ product lines that will address critical health needs and close the gap in quality newborn health. After that, we will accelerate portfolio expansion to close ten globally critical health gaps by the year 2030, the target year of the UN's Sustainable Development Goals.

### **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:**

- PCB 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

695 Minnesota Street | San Francisco, CA | USA 94107 | [www.d-rev.org](http://www.d-rev.org)

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



**Our ideal candidate will have the following characteristics:**

- 4 years of professional EE or Mechatronics engineering experience
- Experience with signals analysis, design of closed-loop control systems, cellular data transmission, and mechanical mechanism control
- Working knowledge of designing and executing benchtop tests

**How to Apply:**

- Please send resume to Casey Trubo ([ctrubo@d-rev.org](mailto:ctrubo@d-rev.org))

*D-Rev is an equal opportunity employer. We value a diverse workforce and an inclusive culture. D-Rev encourages applications from all qualified individuals without regard to race, color, religion, gender, sexual orientation, age, national origin, marital status, citizenship, disability, or veteran status.*