



## Design Engineering Intern

**Location:** San Francisco, CA

**Duration:** 12 weeks (Summer 2018)

### About D-Rev

[D-Rev](#) exists to design and deliver medical technologies that close the quality healthcare gap for underserved populations. Our products are world-class, market-driven, and user-obsessed. We own the research, design, and development of our products and then partner with industry leaders to manufacture and scale for maximum impact. The scaling of our first product, [Brilliance](#), has been recognized in the [media](#) as one of the earliest examples of a nonprofit-developed global health product scaling through the market and impacting the world's poorest patients. Brilliance devices have now treated [313,600](#) babies who otherwise would not have had access to effective phototherapy for their jaundice, averting 4,900 deaths and lifelong disabilities. Our New Product Development work is focused in the neonatal respiratory and nutrition health areas for the treatment of at-risk, low birth weight newborns.

### Project Description:

Brainstorm, conceptualize, prototype, and test to vet key assumptions underpinning our next generation product for vulnerable neonates.

### About this Internship:

You will gain hands-on, real-world experience by:

- Designing and building prototypes to answer top user interface questions on the feature set and to resolve major technical obstacles in the development of advanced prototypes
- Participating in team-based problem solving activities
- Gaining exposure to cutting edge human-centered design methodologies

### Our ideal candidate will have the following qualifications and experience:

- Will have completed the first 3 years of your mechanical engineering degree (rising senior or above, returning to school in the fall)
- Solid technical background related to design and testing of products
- Tinkerer at heart – building mechanical components and playing with an Arduino sounds more like fun than work
- Open-minded, quick learner, independent thinker, and takes initiative
- Extremely strong team player.
- Adaptable and comfortable in a fast-paced environment
- Able to break-down and communicate technical concepts to the whole team, some of which will not be engineers
- 3D modelling software experience, 'Autodesk Inventor' or 'Fusion 360' preferred. Must have novice level exposure to one of these two specific programs prior to the start of internship
- Experience with rapid prototyping and conventional machining techniques (mill, lathe).
- Some level of electro-mechanical prototyping preferred



### Why join D-Rev?

- We'll expose you to the world of designing healthcare products for under-resourced settings.
- You'll be able to receive real world, hands on experience.
- We're located in sunny San Francisco, California where the weather is always great. Being in San Francisco for the summer, everything is awesome!
- Our staff is pretty cool.

**TO APPLY\***, submit the following to [jobs@d-rev.org](mailto:jobs@d-rev.org) March 10, 2018:

- Resume (must be no longer than 1 page)
- Cover letter briefly explaining why you're a fit and why you're interested
- Simple portfolio showing examples of your work in the design or construction of physical prototypes

\*Must be authorized to work in the US for the summer and enrolled in the [Autodesk Student Expert Program](#) prior to the internship commencing.

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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.