



Position Title: Principal Mechanical Engineer

Location: Cambridge, MA

Company Description

Cognito is a venture backed (Morningside Venture) startup company translating scientific findings from MIT into therapeutic approaches for Alzheimer's disease and other neurodegenerative conditions. We are a fast moving, highly motivated team of people with the ambitious goal of helping the millions of Alzheimer's disease patients and caregivers around the world. With our patented gamma stimulation technology, we are committed to developing non-invasive device-based therapies. Developing this unique platform requires expertise across a range of fields – Engineering, Software Engineering, Regulatory, Clinical, Product Design, Data Science, QA, Business Development, Marketing – just to name a few. We are looking to grow our world-class team of scientists and medical device innovators who want to make a difference and improve people's lives on an everyday basis.

Summary of Role

We are looking for a highly motivated Mechanical Engineer to join Cognito's Cambridge R&D team where you will work closely with our clinical, translational, marketing, and product user experience teams to help design and develop Cognito devices. As a member of our R&D team, you will be working to deliver products that provide an exceptional user experience to our patients and their caregivers, who are in desperate need of a solution. The overarching goal will be to take our products to commercialization.

Our culture is very open and innovative, and due to the multidisciplinary nature of building a complex device, you will be collaborating with teams from a variety of fields, including neuroscientists, engineers, and medical device professionals.

Deliverables

You will be responsible for:

- Designing wearable medical devices and other form factors that provide exceptional user experiences for our patients and caregivers and which are appropriate for the environments in which they are used
- Rapidly prototyping devices and form factors to test new concepts in collaboration with the Translational Research and Product User Experience teams



- Designing for manufacture including material and process selection, reliability, and yield
- Designing for all phases of the product lifecycle to ensure the products meet all stakeholder needs as we scale our therapy and organization
- Evaluating designs via verification testing in accordance to recognized standards for medical devices (ASTM, IEC, etc.)
- Evaluation, selection, and management of appropriate external vendors and partners which meet requirements for medical devices manufacturing and can support our growth
- Cross-functional collaboration with R&D, marketing, UX, translational, and clinical to deliver world class products

Who You Are:

You're someone who likes the pace and energy of a startup company and wants to influence your own development. You're looking for an early stage company with an exciting technology, where you have the opportunity to make a difference for patients around the world.

Minimal Qualifications:

- BS, Mechanical Engineering
- 15 years' experience in medtech or consumer electronics design
- Demonstrated experience in designing and developing parts and assemblies from concept to production in electromechanical products
- Strong knowledge of CAD/CAM software and drafting procedures
- Experience in BOM management, change control, and formal verification testing
- Experience in managing outside vendors and suppliers for critical components and assemblies including nonconforming materials
- Mathematical computing and analysis tools knowledge (Matlab, Excel, LabView, etc.)
- Knowledge of injection molding and efficient R&D prototyping
- Excellent prioritization project development skills
- Good communication skills; team player
- Creativity important for developing the best solutions for patients
- Good listening skills and demonstrated interest in understanding user needs and product requirements
- Good math and mechanical skills
- Excellent problem solving skills



Desired Qualifications:

- MS in Mechanical Engineering
- Blend of medtech and consumer electronics design experience

Contact:

Interested? Send a short introduction and resume to jobs@cognitotx.com