Position Title: Senior Electrical 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 – R&D, 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 Senior Electrical Engineer, who would like to work on a challenging, exciting medical device. As a member of the R&D team, your role will involve architecting and developing the core hardware design that could be utilized across generations of products. The devices may include physiological measurements, and having a well architected platform that works across form factors and generations of products will be extremely important.   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 and developing the core hardware platform for our wearable medical device 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

- Defining and designing for all phases of the product lifecycle to ensure that the system meets all stakeholder needs as we scale take our therapy to commercialization and grow the organization and product support
- Developing and executing on verification test plans of system performance including applicable consensus standards and compliance (IEC, AAMI, FCC)

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:

- Electrical Engineering background: BS with 8+ years of experience or MS with 5+ years of experience
- Proficient in the use of ECAD tools such as Altium or Cadence
- Extensive design of embedded systems; experience with physiological acquisition/measurement systems desirable
- Experience in flex circuits, sensor integration, connectivity (BLE, WiFi, GPRS, etc), and designs requiring a user interface desired
- Demonstrated experience in designing for compliance with standards and regulations (FCC, IEC, etc.)
- Experience in designing and executing verification testing plans on medical devices
- Hands-on experience in board and system bring-up
- Ability to evaluate, select, and manage appropriate external suppliers and partners which have required capabilities and deliver on-time performance
- Outstanding communication skills with engineers, user experience, and translational team members
- Self-motivated problem solver who finds pragmatic solutions to highly technical challenges
- High attention to detail with a desire for excellence
- Ability to write clearly about highly technical subject matter

Desired Qualifications:

- Track record of releasing products and supporting throughout product lifecycle in medical device or consumer electronics
- Prior experience managing subcontractors and engineering consultants
- Prior experience creating a universal architecture that spans generations of products and moving design to commercialization

Contact:

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