Neuro42 is a Bay Area startup developing point-of-care MRI and robotics for diagnosis and interventions of neurological conditions. Our vision at neuro42 is to arm neurophysicians with the finest in visualization and guidance technologies to provide best-in-class treatment solutions for their patients.

Join our team as an **RF Engineer**.

The RF Engineer will be a resourceful individual, with considerable coil design knowledge, motivated to develop this unique MR technology.

**Main Responsibilities:**

- Design low frequency RF transmit and receive coils for magnetic resonance imaging.
- Brainstorm new concepts to design next generation of MRI coils.
- Construct designed coils with appropriate non-magnetic components that are capable of handling high power transmission and achieving the desired resonance frequency.
- Simulate new coil designs using available simulation tools.
- Has knowledge of MRI industry, is aware of the competition, and can use that knowledge to differentiate us in the market.
- Utilize existing relationships with academic sites and advisors for technical advice.

**Minimum Qualification:**

- Master’s degree in Electrical Engineering, Medical Physics, Applied Mathematics or closely related field.
- Experience with RF coil design for MRI.
- Able to interpret technical documentation and schematics (electrical, wiring, and mechanical drawings).
- Core fundamentals of math & sciences: electronics, basic electromagnetic theory, etc.
- Creative and resourceful.
- Excellent writing and presentation skills.

**Desired Experience:**

- Experience with rapid prototyping or development, specifically for hardware components.
- Experience performing test and evaluation activities, especially hardware elements/ factors.
- Able to characterize coil elements using a network analyzer.
- Preferred experience with RF analog hardware (preamplifiers, electromagnetic coils, RF shielding, etc.)

If you are a motivated individual, looking to join a highly enthusiastic team that values integrity, teamwork and diversity in thought, neuro42 is where you want to be. A competitive salary, medical benefits, and the opportunity to be working on the most innovative technology awaits you. Apply today with your resume and a cover letter.