Scientist, Cardiac MR

GE Healthcare | Healthcare Imaging | Engineering / Technology | Mid-Career | Jun 29th 2021 | R3580481 | Relocation Assistance: Yes | 333 Ravenswood Avenue, Menlo Park, CA 94025-3453, United States Of America

Job Description Summary
Are you looking to make a meaningful impact? Come join our world-class Imaging R&D lab on the West Coast and help shape the future of MR. The successful candidate will collaborate closely with academic partners in vibrant Silicon Valley and beyond to develop novel cardiac applications and work with a dynamic team of GE scientists and engineers to design solutions that can be integrated into deployable product frameworks to serve patients around the world.

GE Healthcare is a leading global medical technology and digital solutions innovator. Our mission is to improve lives in the moments that matter. Unlock your ambition, turn ideas into world-changing realities, and join an organization where every voice makes a difference, and every difference builds a healthier world.

Job Description

Essential Responsibilities

- Combine knowledge of MR, engineering, and clinical needs to design and develop new MR cardiac applications towards automation & simplification of an MR exam, and improving the reliability from patient setup, data acquisition to image reconstruction, analysis and interpretation.
- Serve as GE technical lead on collaborative projects with academic partners to generate results that are in alignment with GE roadmap and goals.
- Develop concepts to prototypes and release to external GE collaborators following GE MR design controls.
- Work with a cross-functional team of engineers and scientists to translate promising prototypes into new products.
- Conduct original research resulting in patent applications and scientific publications.
- Provide technical expertise and support for projects with internal and external collaborators.

Basic Qualifications

- Master's Degree in an engineering or science field such as Electrical Engineering, Biomedical Engineering, Computer Science, or Physics.
- Strong knowledge of MR Physics, pulse sequences and image reconstruction.
- Demonstrated experience in MR research and development.
- Substantial experience in software design, implementation, coding.
- Foundation in theories underlying machine learning and artificial intelligence.
- Outstanding writing, presentation, and communication skills.
- Strong collaboration skills and ability to thrive in a dynamic environment.
- Can-do attitude, flexible, intellectually curious, willing to work with cross-functional, global team.

Desired Qualifications

- Ph.D. Degree in an engineering or science field such as Electrical Engineering, Biomedical Engineering, Computer Science, Applied Math or Physics.
- Experience working in a clinical environment with cardiovascular applications.
- Familiarity with GE MR Systems and research on those systems.
- Familiarity with GE EPI Pulse Sequence Development environment and GE Orchestra Reconstruction environment.

Our total rewards are designed to unlock your ambition by giving you the boost and flexibility you need to turn your ideas into world-changing realities. Our salary and benefits are everything you'd expect from an organization with global strength and scale, and you'll be surrounded by career opportunities in a culture that fosters care, collaboration and support.

#LI-KM4

GE offers a great work environment, professional development, challenging careers, and competitive compensation. GE is an Equal Opportunity Employer.

GE will only employ those who are legally authorized to work in the United States for this opening. Any offer of employment is conditioned upon the successful completion of a drug screen (as applicable).

GE is supporting the fight against COVID-19. Learn more.


BE AWARE OF FRAUD! GE does NOT request payments for interviews or at any other point during the hiring process.