Create the future of healthcare
Join our mission to create a world where healthcare has no limits. We’re not just evolving today’s technologies, we’re pushing the boundaries of what care means. Together, we’re building a community of diverse perspectives, giving ideas space and energy to grow and succeed. Every day, we confront the biggest challenges in healthcare and deliver solutions to make it more personal, human, and connected. Tomorrow is always in the hands of those with a passion and drive to make the world better. Here, our future is limitless.

Job Description Summary
Are you looking to make a meaningful impact? Come join the GE HealthCare team and help shape the future of MRI. The successful candidate will collaborate closely with a world-class academic partner in Rochester, MN, to develop novel clinical MRI applications and work with a dynamic team of GE HealthCare scientists and engineers to design solutions that can be integrated into deployable product frameworks to serve patients around the world. Clinical focus areas include cardiovascular applications, as well as other areas such as body, musculoskeletal, and radiation oncology.

Job Description
Essential Responsibilities:

- Combine knowledge of MRI, engineering, and clinical needs to design and develop new MRI applications towards automation & simplification of an MRI exam, and improving the reliability from patient setup, data acquisition to image reconstruction, analysis and interpretation
- Technical lead on collaborative projects with academic partners to generate results that are in alignment with company roadmap and goals
- Develop concepts to prototypes and release to external collaborators following design controls
- Work with a cross-functional team of engineers and scientists to translate promising prototypes into product and lead technical/clinical risk retirement towards new product introduction
- Conduct original research resulting in patent applications and scientific publications
- Provide support for marketing efforts such as GE Healthcare MR Signa Pulse articles in collaboration with internal and external collaborators
• Use broad expertise in MRI and applications to help resolve quality issues both with product as well as prototype applications
• Provide technical expertise and support for projects with internal and external collaborators

Basic Qualifications:

• PhD Degree in an engineering or science field such as electrical engineering, biomedical engineering, computer science, applied mathematics or physics
• Strong knowledge of MR physics and MR image reconstruction
• Demonstrated experience in MRI research and development
• Substantial experience in software design, implementation, coding
• Experience in C++ programming and object-oriented programming concepts
• Foundation in theories underlying machine learning and artificial intelligence techniques
• Outstanding writing, presentation, and communication skills
• Strong collaboration skills and ability to thrive in a dynamic and global work environment
• Can-do attitude, flexible, intellectually curious, willing to work with cross-functional, global team

Desired Characteristics:

• Track record of completed projects in MRI pulse sequence design and MR image reconstruction
• Experience working in a healthcare environment
• Experience in developing machine learning packages with modern programming languages such as Python
• Experience in application of machine learning & artificial intelligence to medical imaging
• Experience in designing and implementing software solutions involving compute and memory intense problems
• Technical and clinical familiarity with cardiac, body/oncology, musculoskeletal and radiation oncology MRI applications
• Familiarity with GE HealthCare MRI systems, EPIC pulse sequence development environment and Orchestra reconstruction environment

We expect all employees to live and breathe our behaviors: to act with humility and build trust, lead with transparency, deliver with focus and drive ownership – always with unyielding integrity.

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.

While GE HealthCare does not currently require U.S. employees to be vaccinated against COVID-19, some GE HealthCare customers have vaccination mandates that may apply to certain GE HealthCare employees.

GE offers a great work environment, professional development, challenging careers, and competitive compensation. GE is an Equal Opportunity Employer. Employment decisions are made without
regard to race, color, religion, national or ethnic origin, sex, sexual orientation, gender identity or expression, age, disability, protected veteran status or other characteristics protected by law.

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).

Relocation Assistance Provided: Yes

GE HealthCare is a leading worldwide innovator in medical technology, pharmaceutical diagnostics, and digital solutions. Our contributions to healthcare enable clinicians to make faster, more informed decisions, thanks to intelligent devices, data analytics, applications and services, supported by our Edison intelligence platform. Our people are diverse and dedicated, operating with the highest level of integrity and focus to fulfill GE HealthCare's mission and deliver for its customers. www.gehealthcare.com

Are you planning to attend the 2023 Annual Meeting & Exhibition of the ISMRM in Toronto? Please let us know if we can meet there!