Job Title: MRI Software Engineer  
Location: Mountain View, California

You can’t beat the diseases you can’t see. At ViewRay®, we’re using cutting-edge innovation in real-time imaging and adaptive radiation therapy to improve the treatment paradigm for patients with cancer. ViewRay’s MRIdian system integrates MRI technology, radiation delivery, and our proprietary software to clearly See the soft tissues, Shape the dose to accommodate for changes in anatomy, and Strike the target precisely using real-time targeting throughout the treatment. MRIdian enables clinicians to deliver radiation to the tumor accurately, while reducing the radiation amount delivered to nearby healthy tissue, as compared to other radiation therapy treatments currently available. We believe this will lead to improved patient outcomes and reduced treatment-related side effects. Join us and help rethink radiotherapy.

Job Summary
We are looking for a highly-motivated and knowledgeable MRI Software Engineer to join our growing team at ViewRay. The successful candidate is passionate about improving the treatment paradigm for patients with cancer, has medical imaging expertise, and driven to develop user-centric MR Imaging applications that will advance how radiotherapy is delivered. This individual will join a cross-functional team of MRI Scientists, Software Engineers, and Clinical Engineers and will have direct impact on how the patients of the future receive adaptive radiotherapy.

This position will report to the Director of MRI Engineering.

To apply for this position, please check out our website at www.viewray.com

Responsibilities
• Partner with product management, software engineering, and MRI Applications to design and implement new features to enhance the clinical workflow
• Drive design and implementation of robust communication software between the MRI and Radiation Therapy subsystems by collaborating closely with Software Engineering and MRI Applications.
• Develop software system requirements and test documentation, as well as execute unit testing. Author use cases, software design documents, and test specifications.
• Participate in peer design and code reviews
• Partner with Quality, Clinical Applications Team to investigate software defects and customer inquiries in order to drive real-world workflow value.
• Provide technical support to external design and manufacturing partners

Education, Experience, Skills
• Required:
  o BS/MS in Computer Science, Engineering or a related field of study
  o Expertise in Magnetic Resonance Imaging techniques, DICOM, and image post-processing
Proficiency with C/C++ programming and multi-threaded applications
Proficiency with Web Socket Communication, HTTPS communication, REST/JSON API Interface development
Proficiency with version control and Linux system

- Preferred:
  - Knowledge of formal software lifecycle processes necessary for software development in an FDA-regulated medical device development environment
  - Experience developing responsive applications that work across multiple complex electro-mechanical devices
  - Proficiency with developing .NET Windows applications with demonstrated knowledge of object-oriented programming and UML modeling for design
  - Domain knowledge of clinical applications of medical imaging

**Personal Interactions**

- Creative, flexible, and collaborative in approach to technical problem solving
- Ability to communicate effectively, both orally and in writing, at a variety of technical levels
- Ability to work effectively as part of the diverse team including physicists, scientists, and engineers in a fast-paced environment and with multiple projects

*ViewRay provides equal employment opportunities to all qualified applicants without regard to race, sex, sexual orientation, gender identity, national origin, color, age, religion, protected veteran or disability status or genetic information.*