Research Assistant in Clinical Data Review and Medical Software Maintenance

The Musculoskeletal Digital Innovation and Informatics (MDI²) Program in the Department of Orthopaedic Surgery at Boston Children's Hospital and Harvard Medical School has an immediate opening for an outstanding, highly motivated Research Assistant to assist with several translational projects focused on development of medical software and data processing pipelines to assist with clinical care, research and operation. The Research Assistant will directly work with a multidisciplinary team of biomedical engineers, software engineers and data scientists for each project. Primary tasks include but not limited to performing documentation of medical software for operation, version control and regulatory compliance, ensuring clear and accurate technical descriptions. Work closely with software engineers to document code functionality, risk analysis, and validation details. Assist with data review and annotation for AI model training, testing and validation. The successful candidate will have:

Minimum Knowledge and Skills Required

- Basic understanding of coding and familiarity with Python and MATLAB coding platforms Analytical skills to resolve problems that require the use of basic scientific, mathematical, or technical principles.

- Strong technical writing and documentation skills—able to explain software functions clearly.

- Experience organizing technical documents (e.g., manuals, reports) in a structured, professional format.

- No prior regulatory experience required—guidance provided by a regulatory consultant.

Preferred but Not Required

- Familiarity with medical software development.

This is a full-time one-year appointment with potential second year extension based on applicant's performance. Interested applicants, please send your CV along with a "paragraph" including statement of goals and contact information for three references to:

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