Research Assistant in NLP Applications in Orthopaedics and Sports Medicine

The Musculoskeletal Informatics Group in the Department of Orthopaedic Surgery at Boston Children's Hospital and Harvard Medical School has an immediate opening for outstanding, highly motivated Research Assistant (RA) to work with a multidisciplinary team of biomedical engineers, orthopedic surgeons, and computer and data scientists to develop NLP-based tools for processing medical records. The RA will contribute to development of a centralized patient database and disease specific registries. Primary tasks include but not limited to development of patient selection and text extraction pipelines, and development and fine tuning of negation and new entity recognition algorithms. This opportunity is primarily focused on translational research with immediate impact on clinical care of patients with a range of musculoskeletal conditions, through publication of novel findings and development of computational tools used by clinicians. The successful candidate will have:

- MS in Computer Science or related fields with strong background in NLP and ML platforms.
- Experience in NLP feature engineering and modeling (e.g., text classification, entity recognition, entity extraction, question answering)
- Experience with NER
- Expertise with Python
- One Journal publication or peer-reviewed conference paper or projects with public code repositories
- Experience with healthcare datasets is a plus
- Experience with large language models is a plus

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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