NLP Postdoctoral Research Fellow Position at Boston Children’s Hospital/Harvard Medical School

The Health Natural Language Processing Lab at Boston Children’s Hospital is seeking a post-doctoral research fellow to contribute to cutting edge research in the field of health natural language processing. This project will develop deep neural network methods for representing and summarizing the text in electronic health records, with high impact clinical applications.

The diversity of subject matter will require a creative candidate with the passion and diligence to solve challenging problems in an interdisciplinary environment. The Research Fellow will be expected to lead publications, and will receive enthusiastic mentorship with the goal of preparing and submitting a career development award proposal, as well as other research proposals as appropriate.

This position provides an excellent opportunity for the Research Fellow to work within a multidisciplinary research team to explore advanced areas in health information technology. The Computational Health Informatics Program – CHIP – is home to 20 faculty working at the forefront of research areas extending beyond clinical NLP to digital epidemiology, clinical genomics, and app ecosystems for health records. CHIP and the Health NLP Lab value diversity and believe that it is essential to achieving excellence. We therefore strongly encourage candidates from underrepresented groups to apply.

The fellowship includes an academic appointment at Harvard Medical School, as well as a hospital appointment at Boston Children’s Hospital.

Qualifications

- PhD degree in computer science, information science, computational linguistics, biomedical informatics, data mining, or a closely related field.
- Experience in research; ability to plan and carry out research experiments and projects.
- Candidates with experience in the areas of machine learning, natural language processing/computational linguistics, and medical terminologies/ontologies are strongly encouraged to apply.
- Programming experience in computer programming languages (e.g., Python, Java, etc).
- Strong written and oral communication skills required.
- Ability to work both independently and as a team player.

Application materials

- Cover letter/summary statement of personal objective and research interests
- CV
- Three letters of reference (will be requested of finalists)
- Sample publication with clearly stated individual contributions

Terms

The position is available immediately and is renewable annually.

How to apply

Interested candidates should email their application materials to:
Prof. Timothy Miller, PI Natural Language Processing Lab
Boston Children's Hospital
300 Longwood Avenue
Mailstop: BCH3092, Enders 144.1
Boston, MA 02115
timothy.miller@childrens.harvard.edu

Boston Children’s Hospital offers competitive compensation and unmatched benefits, including affordable health, vision and dental insurance, generous levels of time off, 403(b) Retirement Savings plan, Pension, Tuition Reimbursement, cell phone plan discounts and discounted rates on T-passes (50% off). Discover your best.

Boston Children’s Hospital/Harvard Medical School is an Equal Opportunity / Affirmative Action Employer. Qualified applicants will receive consideration for employment without regard to their race, color, religion, national origin, sex, sexual orientation, gender identity, protected veteran status or disability.