

Position Title: Junior Software Developer
Location: Toronto Rehab Institute, Toronto, ON
Position Start Date: As soon as possible
Date of Posting: Jun 7, 2018
Closing Date: Until the position is filled

Description:

The Artificial Intelligence and Robotics in Rehab (AIRR) Team at Toronto Rehab-UHN and the Intelligent Assistive Technology and Systems Lab at the University of Toronto (IATSL) invites applications to the position of junior software developer for intelligent systems in health and rehab. Candidates must hold a B.Sc. (or equivalent) in an appropriate discipline, in addition to relevant experience in a research and/or industrial environment.

The successful candidate will join a unique multi-disciplinary, multi-centre research team led by Dr. Alex Mihailidis that includes several bioengineers, computer scientists, occupational therapists, speech and language pathologists, neuroscientists, clinicians, and mechanical/electronic technicians. AIRR and IATSL are affiliated with many prestigious institutions including the University of Toronto, Toronto Rehabilitation Institute, and Sunnybrook and Women's College Health Sciences Centre. Funding comes from a variety of corporate and institutional partners, such as the American Alzheimer Association, Alzheimer Society of Canada, and Intel Corporation.

Much of our research centres on the development of robotics and other intelligent computerized devices that can help older adults and people with disabilities live more independently. Within this research the successful candidate will focus on software development across a variety of projects and supporting our various team members, including students and trainees.

The initial position will be a one-year full-time contract. Salary will be based on the applicant's previous experience and education. The contract may be renewed after the initial year, based on available funding and employee performance.

For more information about our research, visit our web site: www.iatsl.org

Requirements:

The successful candidate will hold a Bachelor's degree in electrical/computer engineering, computer science, or a related field.

Candidates must have/demonstrate a good knowledge of

- Java, Swing, C++/STL, C, and other programming languages
- Matlab or Python/NumPy
- Git, SVN or other version control system

- JSON
- familiarity with programming in Windows and Linux developments
- good communication skills (oral and written)
- strong software testing skills
- ability to read and maintain legacy code
- ability to learn new programming languages easily
- interest in learning new skills and technologies
- works well independently and in a multi-disciplinary team

Candidates with experience in the following are desired:

- Unreal Engine/Blueprint Scripting Language, or Unity 3D
- Eclipse, Gradle, Maven
- JavaFX
- Linux system administration
- computer vision and/or machine learning
- UX and accessibility design principles
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- Understanding of copyright and asset licensing issues

The applicant will need to also demonstrate an aptitude for trans-disciplinary research that intersects the fields of healthcare, technology, and gerontology.

UHN is a respectful, caring, and inclusive workplace. We are committed to championing accessibility, diversity and equal opportunity. Requests for accommodation can be made at any stage of the recruitment process providing the applicant has met the Bona-fide requirements for the open position. Applicants need to make their requirements known when contacted.

Application:

The closing date for this position posting is until the position is filled. To apply, please send a covering letter, resume or curriculum vitae, a code sample with a description of your role in creating it, a statement of your professional interests (1-2 pages), and a copy of your university transcripts to:

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E-mail: alex.mihailidis@utoronto.ca

Submissions by e-mail are preferred. Selected applicants will be asked to forward three academic and/or professional letters of reference.