



McConnell Brain Imaging Centre
Montreal Neurological Institute
McGill University
3801 University St.
Montreal QC, Canada H3A 2B4



Job Title:

LORIS Software developer

Job Code:

LSDCAP1701

Application Deadline:

Open

Location:

McGill University, Montreal Neurological Institute (MNI)
McGill Centre for Integrative Neuroscience (MCIN)
Montreal, Quebec, Canada.

Organization:

MCIN is a multidisciplinary research group that supports numerous collaborations and provides neuroinformatics software infrastructure, tools and services to a broad, international neuroscience community. For more information please visit: <http://mcin.ca>

Job Description:

Reporting to the data manager, the work consists of contributing to the design, coding, testing and maintenance of a web-based neuroscience data management software for a national Autism Spectrum Disorder (ASD) research platform. Technical work will include developing data handling processes and extensions to existing web-based data management software interfacing with leading genetics databases and other research data platforms. Enhancements, troubleshooting, bug resolution and documentation of new and existing code is required on an ongoing basis on both front-end and back-end components of the platform. This position requires working seamlessly within a small team of software development professionals and the ability to learn and adapt rapidly in order to support a dynamic research community. We encourage any candidates with strong programming skills to apply. For more information, please visit LORIS.ca and <https://github.com/aces/Loris>.

Main responsibilities include (but are not limited to):

- Plan, code, test, debug and support software for neuroscience research platform.
- Develop, test and maintain data harmonization and importation processes, interfacing with external data platforms
- Implement new features according to functional specifications and user requirements.

- Participate in the establishment and implementation of information flow, data handling, database storage and data processing.
- Develop and maintain test suites.
- Follow established best practices and work closely with the various development teams.
- Ensure that development documentation is up to date.
- Participate in design discussions and team processes.
- Report regularly on activities.
- Advise and train other team members.

Requirements:

- University degree or related work experience in computer science or related field.
- Background in genetics/bioinformatics or medical imaging is an asset.
- Research or industry experience with relational database systems.
- Expertise with web development (PHP, JavaScript/JQuery, Bootstrap, Apache).
- Experience with non-relational database systems is an asset (NoSQL).
- Experience with Unix/Linux operating systems.
- Experience computing on large datasets is an asset.
- Experience with version control systems (e.g. git, svn) and team-based development methodologies.
- Strong programming skills and understanding of modern languages.
- Knowledge of HTML5, CSS3, Bootstrap and W3C standards.
- Excellent communication skills and team oriented attitude.
- Good documentation practices.
- Good organizational skills and ability to learn quickly.
- Familiarity with academic research environments.

Starting hourly rate: \$25 to \$30.

How to apply:

Please send cover letter and CV to (careers@mcin.ca). Please specify the job code (LSDCAP1701) in the email subject line. Must be eligible to work in Canada. Direct hire only. Please, no agencies, no phone, no fax and no other inquiries. This position is based in Montreal, please no inquiries for remote work. McGill University is an equal opportunity employer. These are temporary positions with the possibility of full-time/full-benefits employment, due to start as soon as the qualified candidate is selected. The full-time/full-benefits positions include all the standard benefits that the university offers to the M-term employees. We thank all applicants for their interest and wish to advise that only those selected for an interview will be acknowledged.