



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



Job Title:

MCIN Software Developer (LORIS)

Code:

MSDL20150915

Application Deadline:

October 1, 2015

Organization:

McGill University

Group:

McGill Centre for Integrative Neuroscience (MCIN)

Project Goals:

The McGill Centre for Integrative Neuroscience (MCIN) is a multidisciplinary group which supports numerous collaborations and provides neuroinformatics software infrastructure, tools and services to a broad, international neuroscience community. The CBRAIN neuroimaging platform and the LORIS multi-centre data management system, both developed and supported in-house, allow a community of hundreds of scientists around the world to organize and analyze data through collaborative tools and remote computing resources. For more information please visit: <http://mcin.ca>

Job Description:

Reporting to the project manager and system architect, this person will be responsible for developing and maintaining research network database systems on the LORIS neuroinformatic data management platform, which allows remote users across multiple research centres to store large datasets in a central database.

Responsibilities to include:

- Coding, testing, debugging, support and documentation of the software for network-enabled neuroinformatic research data management platform
- Implement new features according to functional specifications and user requirements
- Monitor the information systems related to behavioural, imaging, and DNA data acquisitions, data transfer, database storage, and data processing
- Contribute to the versioning, bug-tracking, and document management systems
- Develop and maintain test suites

- Document functional specifications, maintain design documents, and develop end user guidelines
- Enhance user interface to improve usability and productivity
- Work in close collaboration with developers and research study coordinators
- Participate in team meetings, code reviews, seminars and conferences as necessary

Key Skills, Qualifications, and Requirements:

- Bachelor's degree in Computer Science or related field (preferred)
- Minimum of 4 years of related industry experience
- Strong programming skills in open source data systems (Apache, PHP, MySQL, etc.)
- Experience with Unix/Linux operating systems and shell commands
- Knowledge of HTML5 and W3C standards
- Experience with front-end development (JavaScript, jQuery, CSS3, Bootstrap)
- Familiarity with version control systems, git, GitHub
- Experience with object oriented and scripting languages (C++, Perl, Python, Java)
- Knowledge of architecture design concepts for centralized and distributed data systems
- Familiarity with medical imaging is an asset
- Familiarity with research or science-related setting is an asset
- Excellent communication skills, team oriented
- Good organization skills and ability to learn quickly
- Ability to communicate in French is an asset

How to apply:

Please send cover letter/email with CV to: <loris.jobs@mcin.ca>

Please specify job title and code (MSDL20150915) in email subject line.

Must be eligible to work in Canada. Direct hire only. Please, no agencies, no phone, no fax and no other inquiries. McGill University is an equal opportunity employer.

This is a temporary position with the possibility of full-time employment, due to start as soon as the qualified candidate is selected. The full-time position includes all the standard benefits that the university offers for the term positions. We thank all applicants for their interest, however only those candidates selected for an interview will be acknowledged and contacted.