



Hôpitaux Shriners
pour enfants®
Shriners Hospitals
for Children®

Canada

BIOMEDICAL ENGINEER SPECIALIZING IN BIOMECHANICS

Work Shift: Day

Status: Temporary full-time, 6 months

Salary: \$25.63 to \$47.48 per hour, depending on experience

Beginning of posting: October 26, 2020

End of posting: November 13, 2020

We are currently looking for a biomedical engineer specializing in biomechanics for a temporary full-time 6 months renewable contract. You will work under the authority of the Assistant to the Chief of staff in collaboration with the Coordinator of the Movement Analysis Center.

The main areas of responsibility are:

- 1) Collection of Clinical Evaluations - The engineer is responsible for the collection of quality data during clinical evaluations. The data collected are used to create clinical reports that can be interpreted by the laboratory physiotherapist.
- 2) Maintaining laboratory equipment and software - The engineer is responsible for maintaining and updating the software (Nexus, polygon, Matlab, Python) and equipment (Vicon cameras, EMG system, Forces plates and pedobarograph) as needed.
- 3) Development of Clinical programs - The engineer collaborate with the physiotherapist and the kinesiologist in the development of different clinical programs. This development may include redefining data collection protocols, creating new methods for analysis data and developing new reports.

Requirements

- Bachelor degree in biomedical/mechanical Engineering or combination of experience and pertinent trainings
- Master degree in Engineering related to biomechanics – an asset
- Member of the Ordre des ingénieurs du Québec (OIQ)
- Minimum of one years' experience in Motion Lab
- Experience with the use of materials such as Vicon motion cameras, Delsys EMG system, AMTI force plates, Tekscan pressure mat.
- Experience with software such as Nexus, Polygon, MatLab, LabView, Visual Basic, Python.
- Experience in producing verbal and written scientific reports
- Experience in research and pediatric – an asset
- Bilingualism: French and English, written and spoken

Shriners Hospitals for Children - Canada provides ultra-specialized short-term orthopedic care to children in Quebec, other Canadian provinces, the United States and around the world. Affiliated with the *Réseau universitaire intégré de santé et service sociaux McGill (RUISSS)*, the hospital promotes excellence and innovation in care, teaching and research. Working at Shriners Hospitals for Children - Canada means working in a patient and family centered care environment where there are many opportunities for professional development. You will work in an innovative, creative and multidisciplinary environment focused on improving the quality of life of children and their families.

With its committed and dedicated staff, Shriners Hospitals for Children - Canada has been helping children reach their full potential for over 90 years.

To learn more, visit www.shrinershospitalsforchildren.org/Canada

You want to work with us? Send us your résumé and a letter of intent before November 13, 2020, to the human resources department at recrutement@shrinenet.org.

Shriners Hospitals for Children – Canada supports the principle of equal access to employment and invites women, members of visible minorities, ethnic minorities, persons with disabilities and Aboriginal peoples to apply.