# RESEARCH ASSISTANT

**Position Title:** Regular Research Assistant  

**Hiring Unit:** Geographic Information Centre (GIC), Department of Geography  

**Supervisor:** Dr. Tim Elrick  

**Work Location:** Burnside Hall, Geographic Information Centre (GIC)  

**Hours/Week & Schedule:** 35 hrs/week, flexible schedule according to tasks  

**Hourly Wage:** $ 28.15 (plus benefits)  

**Planned Start Date & End Date:** Oct 1st, 2019 to Sept 30th, 2020 (start date can be discussed)  

**Date of Posting:** August 20th, 2019  

**Deadline to Apply:** Reviewing of applications will start Sept 3rd, 2019

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### PRIMARY DUTIES

- to support the GIC director in geospatial data research on (spatial) data  
- building geospatial databases on a Linux OS for those research projects  
- building WebGIS/WebMap applications in research projects  
- design and/or instruct user oriented workshops or tutorials (half day and three day long) on GIS and geospatial data science (and if desired on RS)  
- to actively participate in research projects conducted by the GIC  
- to maintain and develop communication channels for the GIC and its research projects (website, Twitter account, …)  
- to assist in the organization of GIS Day, and other events organized by the GIC  
- together with other GIC staff, provide support and advice to meet the needs of undergraduate, graduate and faculty users of the GIC

### EDUCATION/EXPERIENCE

- master degree  
- substantive knowledge in a programming language including R, (PostGre)SQL and Python  
- knowledge of how to handle big data including ElasticSearch or Hadoop  
- knowledge of maintaining a Linux server including data security  
- advanced knowledge of geospatial data methods and statistics in R, ArcGIS or QGIS  
- advanced knowledge of Windows 10 (e.g. command line usage, image deployment)  
- knowledge of how to work with confidential digital data

### OTHER QUALIFYING SKILLS & ABILITIES

- display high degree of emotional and social intelligence to frequently interact with students and other researchers  
- sound communication skills  
- ability to work in a team with different skill levels  
- willingness and ability to learn skills required to fulfil the duties, if not mentioned in the requirements above

### HOW TO APPLY

Please submit your application to:  
Dr. Tim Elrick by e-mail (tim.elrick@mcgill.ca)

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*McGill University is committed to equity in employment and diversity. It welcomes applications from indigenous peoples, visible minorities, ethnic minorities, persons with disabilities, women, persons of minority sexual orientations and gender identities, and others who may contribute to further diversification.*