



### **Summer Job: GIS Developer Technician**

**General Description:** Global Forest Watch Canada (GFWC) seeks an enthusiastic and dedicated individual with excellent technical and analytical skills for a full-time, paid summer student position to support GFWC's GIS and interactive mapping work ([www.globalforestwatch.ca](http://www.globalforestwatch.ca)). The GIS Developer Technician will assist in: processing, analyzing, and cleaning GIS and remote sensing data; and obtaining and compiling data relevant to GFWC's work. The Technician will support the development and launch of new GFWC applications, such as interactive maps and mobile apps that build upon Global Forest Watch tools for specific use in Canadian geographies. Other duties will include contributing to original policy-relevant analyses using data from the Global Forest Watch platform and related research products. A key aspect of this position is working closely in a small team environment, yet being able to work independently -- and therefore being flexible in assigned job duties.

### **Duties:**

The GIS Developer Technician will work and gain experience in the following areas:

- Providing technical and GIS support related to the acquisition, management, processing, and visualization of geospatial data for GFWC.
- Supporting the creation and maintenance of a GFWC Open Data Portal and help with outreach efforts.
- Writing data descriptions for the Open Data Portal and associated metadata.
- Creating map services in ArcGIS Online or ArcGIS Server, and potentially Cartodb, for the Open Data Portal.
- Supporting efforts to assess, enhance, and communicate the accuracy of various near-real-time forest disturbance detection systems featured on the GFW and GFWC platforms.
- Conducting geospatial and statistical analyses on raster and vector data layers.
- Creating maps, charts, infographics, and Esri Story Maps to communicate GFW data and analysis for both general and specific audiences
- Supporting other activities as determined by the Executive Director.
- Interacting with map users to improve user experience.

### **Qualifications:**

- **Preferred Fields of Study:** Ideal candidate will be an undergraduate student in a Bachelor's program in geography, forestry, agriculture, environmental science, or other relevant field.
- A passion for forests and the environment.
- Geographic Information Systems (GIS) skills and experience in using ArcGIS 10.x software, and ArcGIS Online strongly desired. Experience with ArcGIS Server a plus.
- Programming skills (e.g., Python) for app development and ability to write APIs.
- Experience in writing metadata and/or dataset descriptions.

- Strong writing skills and excellent academic performance.
- Academic or working experience on forest issues.
- Demonstrated proficiency in oral and written English.
- Knowledge of French is not required, but a definite advantage.
- Ability to work well in a team, juggle multiple priorities, and work under tight deadlines.

**Additional Assets:**

- Flexibility in working conditions and assignments; willingness to learn and share new skills.
- HTML/Drupal/web design experience.

**Term of Employment:** This is a full-time summer position.

**Wages:** This is a paid position with an hourly rate based on experience, starting at the Ontario minimum wage (\$15/hour depending upon education and experience).

**Duration:** Summer 2016

**Start-End** May or June to August (8 weeks)

**Location:** Ottawa, ON

**About GFWC:**

Global Forest Watch Canada is a national non-profit organization based in Ottawa, Ontario. GFWC was formed in 2000 to provide access to more complete information about development activities in Canada's forests and their environmental impacts. We are convinced that providing greater information about Canada's forests will lead to better decision-making on forest management and use, which ultimately will result in forest management regimes that provide a full range of benefits for both present and future generations. To find out more about GFWC, visit our website: [www.globalforestwatch.ca](http://www.globalforestwatch.ca)

**To Apply:**

Send your resume (including references) and cover letter to Ryan Cheng:

Email: [ryan@globalforestwatch.ca](mailto:ryan@globalforestwatch.ca)