City of Waterloo

One of the World's Top Intelligent Communities, Waterloo boasts a knowledge economy that is globally recognized and is home to major employers, global think-tanks, the country's leading finance and insurance companies, and world renowned post-secondary institutions. Waterloo's prosperity is at an all-time high and consistently outperforms provincial standards for wealth, educational attainment, and talent. From urban design and architecture awards to sustainability and economic development awards, Waterloo wins local, provincial and global acclaim as a premier destination for success.

GIS Analyst

The City of Waterloo is seeking a GIS Analyst to provide GIS support, including, but not limited to: application development and support; data design, maintenance and administration; spatial analysis; consulting services; and other GIS-related tasks as required.

Accountabilities

GIS Application Development/Implementation/Support

- Build and maintain GIS services and tools using ArcGIS Enterprise (Server and Portal)
- Build and maintain public and internal web-based mapping sites and tools, using Geocortex Essentials and ArcGIS Online
- Create web-based tools to support business processes using Geocortex Workflow
- Create custom reporting solutions using tools including ArcGIS Pro, Geocortex Reporting, etc
- Create custom tools to automate tasks for users of ArcGIS Desktop software, using Python
- Model business process flows
- Create custom GIS applications for business units
- Provide consultation and assistance in administering third party solutions

Data Administration and Analysis

- Design and create new spatial and related data to fulfil requests or support processes
- Perform GIS-side database administration of Relational Database Management Systems
- Edit data to maintain currency; interpret plans and other documents incorporated in GIS data edits
- Create and support FME tools to perform QA on spatial and other data
- Create and support FME tools to perform data translations and integrations
- ArcGIS Open Data support
- Acquire data from users within the corporation or outside agencies
- Provide users access to current spatial and other data through file and/or database management and application development and configuration
- Maintain and organize files on the network
- Consult with other departments within the city regarding data requests
- Support Emergency Services through data analysis
- Perform spatial analysis for specific projects
- Respond to map and data requests

GIS Project Management

- Provide GIS expertise, management, and leadership on projects

GIS Technical Support and Training

- Maintain GIS systems through software upgrades, and design and implementation of new systems
- Maintain knowledge of current GIS applications, tools, and processes
- Respond to client support calls
- Schedule and facilitate user group meetings
- Inform users of new developments in GIS
- Deliver GIS software training sessions
- Utilize commercial software support
- Communicate and share ideas with other municipalities

Minimum Qualifications

- Post-secondary degree or diploma in Geography or related field with a specialization in GIS/Geomatics
- Thorough understanding of GIS concepts, data management, applications, programming concepts
- 2+ years' experience working with enterprise GIS in a municipal environment
- Strong knowledge of ESRI GIS products (ArcGIS Pro (& older Desktop); ArcGIS Server; ArcGIS Enterprise)
- Skilled in GIS information presentation and map production
- Experience in spatial database design, spatial database standards, systems integration, spatial analysis, and geoprocessing tools
- Experience with VertiGIS Geocortex Essentials and Analytics is considered an asset
- Experience with Safe FME ETL software is considered an asset
- Experience with Esri mobile software tools and apps
- Knowledge of GIS-related database management (Oracle), geodatabase design, and creating relationships to other systems
- Experience with development and automation of GIS tasks
- Experience reading survey plans and engineering drawings is considered an asset
- Understanding of municipal processes and policies is considered an asset
- Demonstrated project management skills
- Excellent oral and written communication skills and ability to deliver technical training
- Strong organizational skills and attention to detail
- Ability to work independently and also within a team environment
- Excellent customer and client support experience and skills
- A satisfactory Police Records Check is a requirement for this position

For more details and to apply on-line, please visit the employment page of our website at**:**
www.waterloo.ca/careers

The City of Waterloo is an equal opportunity employer. Accommodations are available for all parts of the recruitment process. Applicants need to make their needs known in advance.

Job Posting Deadline: January 8, 2021 at 4:00 pm