JOB APPLICATIONS WANTED

TITLE: **Geographic Information System Developer**

LOCATION: City of Ithaca - Department of Public Works - Water &Sewer Division

SALARY: $64,861, with subsequent increases to $77,833

The City of Ithaca values diverse perspectives and life experiences. We encourage people of all backgrounds to apply, including people of color, women, LGBTQ+, veterans, people with disabilities, and those with lived experiences.

The person in this position is a key part of a three-person GIS team. Our mission is to create and manage geographic data, applications, and solutions which make a difference for staff, officials, and the public in the day-to-day operations of the City of Ithaca. The successful candidate will work with rich data sets including detailed municipal infrastructure layers, delivered on mobile and desktop platforms. The position centers on the capacity to create and customize applications on ArcGIS Online and GeoCortex Essentials interactive web mapping platforms. It additionally includes creating custom applications using ESRI APIs and JavaScript frameworks. The candidate has knowledge and experience with desktop GIS, web mapping platforms and custom web coding and is effective working as part of a team.

POSITION DESCRIPTION: The work involves responsibility for designing and implementing web based geospatial applications in three ways: a) configuring ready to use applications on cloud mapping platforms ArcGIS Online and GeoCortex Essentials, such as viewers, dashboards and mobile applications, b) extending and customizing ArcGIS Pro Desktop GIS and Geocortex Essentials Viewers and c) developing custom web based geospatial applications using the latest ESRI Application Programming Interface (API), and related web frameworks and current web programming languages. The GIS Developer also creates, updates and manages GIS data and does mapping and map publishing as needed. The GIS Developer assists the GIS Administrator with the product and capacity goals of the GIS Program, in support of City operations. The duties vary according to assignment; however, in general, the incumbent will design and implement tools for the collection, management and delivery of GIS data across the enterprise and assist in managing the modification and operation of the GIS. The incumbent also performs other related professional or technical duties specific to the assignment such as installing GIS software, preparing requests for proposals for GIS services or new hardware/software implementations, developing and administering training materials and programs, and designing and managing geographic databases and data development projects. This class differs from GIS Specialist and Senior GIS Specialist in that the GIS Developer has specific and thorough technical knowledge such that they are responsible for creating and maintaining custom web-based GIS applications on the City's web mapping platforms. The GIS Developer differs from GIS Administrator in that a GIS Developer does not have the overall responsibility for the GIS Program. The work is performed under the general supervision of the Geographic Information System Administrator with leeway encouraged in exercising independent judgment in carrying out the details of the work. Project and task-specific supervision may be exercised over subordinate GIS staff and interns, particularly in the absence of the GIS Administrator. Does related work as required.

The possibility for remote work is available. There will be some in office work required.

MINIMUM QUALIFICATIONS: Either:

A. Graduation from a regionally accredited college or university or one accredited by the New York State Board of Regents to grant degrees with a Bachelor's degree in spatial information technology, information technology, geography, planning, engineering, environmental science or a closely related field with similar course curriculum and three (3) years of full-time paid GIS experience, or its part-time paid and/or volunteer equivalent, at least two (2) years of which must have involved creating custom web based GIS applications using ESRI's API for JavaScript and JavaScript frameworks (such as Vue, Angular or ReACT), HTML and CSS, and managing code through a repository such as GitHub; or

MIMINUM QUALIFICATIONS (CONTINUED:

B. Graduation from a regionally accredited college or university or one accredited by the New York State Board of Regents to grant degrees with an Associate's degree in GIS or a closely related field with similar course curriculum and possession of a geographic information systems professional (GISP) certificate from the GIS Certification Institute (GISCI) and three (3) years of full-time paid GIS experience, or its part-time paid and/or volunteer equivalent, at least two (2) years of which must have involved creating custom web based GIS applications using ESRI's API for JavaScript and JavaScript frameworks (such as Vue, Angular or ReACT), HTML and CSS, and managing code through a repository such as GitHub; or

C. Graduation from high school or possession of a high school equivalency diploma and successful completion of a spatial technology program leading to a certificate and possession of a certified geographic information systems professional (GISP) certificate from the GIS Certification Institute (GISCI) and three (3) years of full-time paid GIS experience, or its part-time paid and/or volunteer equivalent, at least two (2) years of which must have involved creating custom web based GIS applications using ESRI's API for JavaScript and JavaScript frameworks (such as Vue, Angular or ReACT), HTML and CSS, and managing code through a repository such as GitHub; or

D. An equivalent combination of training and experience as defined by the limits of (a), (b) and (c) above.

NOTE: One year of experience extending and customizing VertiGIS' GeoCortex Map viewers with Workflow 4 or 5 may be substituted for one year of the required experience creating custom web-based GIS applications using ESRI's API for JavaScript and JavaScript frameworks (such as Vue, Angular or ReACT), HTML and CSS, and managing code through a repository such as GitHub.

RESIDENCY REQUIREMENTS: There are no residency requirements for this position.

EXAM REQUIREMENTS: A civil service exam will be required at a later date.

APPLICATION MATERIALS REQUIRED:

- City of Ithaca application
- Cover letter and resume
- Copy of high school and college transcripts

Applications must be received by the City of Ithaca Human Resources Department no later than 4:30 PM EST on the last filing date indicated below. All applications must be submitted electronically through our online application program. We do not accept paper applications, faxed applications, e-mailed applications or photocopies of applications.

Submit required application materials by October 22, 2021:

City of Ithaca
Human Resources Department
Web site: https://ithaca-portal.mycivilservice.com

Issued: October 1, 2021