

## **CITY OF FONTANA (IT) GIS TECHNICIAN**

**DEFINITION:** Under general direction, provides technical expertise in Geographic Information Systems (GIS) technology. Develops databases and creates, analyzes, and/or processes spatial and non-spatial data. Will perform application design, programming, modeling and support of computer-based GIS mapping and related statistical software, and provides technical and administrative leadership to a team of City staff..

**ORGANIZATION:** Reports to Information Systems Division Manager in the Information Systems Division of the Information Technology Department.

**EXAMPLES OF DUTIES:** Under general direction, performs work involved in the modification, implementation and maintenance of the City's GIS systems; performs other related duties as required and assigned. The incumbent will operate software used in the maintenance and management of the City's geobase and related layers and tabular data. This position must analyze workflow and work with others professionals in the IS Division to integrate information and procedures to optimize the effectiveness of the applications. This position is characterized by the responsibility for the support of the City's GIS functions.

**ESSENTIAL FUNCTIONS:** The incumbent must have the ability to:

- Perform complex, integrated computer programming, data analysis and software development for GIS applications, to include maintenance of existing systems and research/development for future enhancements.
- Document and test GIS models, Internet Mapping solutions and GIS applications; ability to carry out GIS procedures, both simple and complex; perform data conversion and collection, graphic production and project reporting.
- Maintain currency of knowledge with respect to relevant state- of- the- art technology, equipment and/or systems.
- Work over-time and off hours as needed with the possibility of on-call rotation.
- Perform any other tasks or functions deemed necessary to the daily operation of the employer.

**THE ABOVE LIST OF ESSENTIAL FUNCTIONS IS NOT EXHAUSTIVE AND MAY BE SUPPLEMENTED AS NECESSARY BY THE EMPLOYER.**

**WORKING CONDITIONS:** The position requires prolonged standing, sitting, walking, reaching, twisting, turning, kneeling, squatting and stooping in the performance of daily activities. The position also requires grasping, repetitive hand movement and fine coordination in preparing reports and using a computer keyboard. Additionally, the position requires near and far vision in preparing and reading work-related documents. Acute hearing is required when providing telephone service, plus the ability to pull, push, drag, lift and/or carry equipment and supplies weighing up to 25 pounds.

**EXPERIENCE AND EDUCATION REQUIREMENTS:** The successful incumbent will possess will possess GIS experience **OR** an Associate's Degree from an accredited college or university with major coursework in Geographic Information Systems (GIS), geography or a closely related field. Additionally, the incumbent must have the knowledge of and a background in:

- ESRI based GIS software, i.e., ArcGIS, ArcIMS, and ArcSDE.
- Strong interpersonal and communication skills and the ability to work with a wide range of constituencies in a diverse community.
- Geographic Information Systems, statistical, mathematical, and computer science theory, methodology and technical solutions.
- Evaluation and interpretation knowledge of end user information requirements and the ability to develop and implement appropriate technical solutions.
- Skills in the use of relational databases such as MS Access/Excel and SQL

**LICENSES/CERTIFICATES:** Possession of, and continuously throughout employment, a valid California Class "C" Driver's License.

**SUPPLEMENTAL INFORMATION:** Successful candidates will be required to pass a drug screening, fingerprint screening and a background investigation.