The New York City Department of Transportation (DOT) manages all of NYC’s street and street furniture assets. It also issues permit for construction on NYC’s streets. To support the agency’s growing need for routing, the IT & Telecom division within NYCDOT is seeking to build a routing engine based on Open Source GIS. The division seeks to expand upon the current capability of PostGIS/PostgreSQL platform to implement the routing engine.

The IT & Telecom division seeks a GIS intern to support activities in the development of the street network dataset as well as the routing engine. The GIS intern will be expected to be a fast learner and will be required to implement solutions while learning new technologies. This is a paid position.

Skillset needed:

- Experience with Open Source GIS technology stack (QGIS, PostgreSQL, PostGIS, Leaflet, CartoDB).
- Proficient with use of ArcGIS Desktop for cartography, data creation and analysis
- Knowledge of JavaScript & HTML5/Canvas is an asset.
- Require working knowledge of Microsoft Excel & Access.
- Knowledge of Python, SQL, SAS and R is highly desirable.
- Knowledge of NoSQL technologies like CouchDB, MongoDB, and Neo4j is an desirable

If interested, please submit your cover letter resume to personnel coordinator, Natasha Bartley (nbartley@dot.nyc.gov)