

# REIHANEH NAMDARI

TORONTO

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## Educations

- 2011 Associate's Degree in Civil Engineering (Photogrammetry)
- 2013 Bachelor's Degree in Geomatics Engineering

## Courses

- Basic Computer Networking
- Basic Programming
- Python Programming
- CS50's Programming with Python and JavaScript
- Machine Learning

## Key Skills

- Skilled in the use of AutoCAD, ESRI Arc Editor, SQL .NET Framework.
- Extensive experience in using map creation software, including ArcGIS, AutoCAD, Arc IMS, and ArcView.
- Automation of tasks and tools creation using Python.
- Data analysis
- Spatial analysis including raster calculation and analysis.
- Database design, creation and maintenance
- Data transformation including CAD data to GIS data
- Network Analysis

## Computer Skills

- Knowledge in computers and most Microsoft programs
- AutoCAD
- Arc Map, Arc Globe, Arc catalog
- Python and Java programming
- Linux
- Network
- Basic web programming

### Research and Publications

- Reihaneh Namdari, 2019. Providing an architecture consistent with metropolitan transport and traffic data (Case Study, Tehran Big Traffic Data)
- Maryam Rezaei, Reihaneh Namdari ,2020. Compare & Evaluation of new traffic demand management rules in Tehran CBD (Case study, air pollution control zone)
- HamidReza Ataeian, Majid Ashouri, Zeinab Kamousi, Reihaneh Namdari, 2017. Connected Vehicle Application in variation reduction of BRTs travel time and their timetable

### Employment history

*GIS Expert      June. 2014 – Current*

*Tehran Traffic Control Company*

### Responsibilities

- Supervisor engineer of Tehran Traffic Map application on behalf of the company.
- Highly accomplished in modelling, analyzing and detailing using Arc GIS (GIS-ready).
- Analysis of traffic data including traffic counts and crashes
- Data entry, maintenance and Analysis.
- Network Analysis for finding optimum points to installing company equipment.
- Preparing as built for surveyors to data collection.
- Creation and management of GIS datasets GIS analysis Data collection.
- Cartography and Graphic design maps.
- Preparing presentations and reports, including annual maps for traffic Improvement

### Projects

- Supervisor of Surveying and Collecting the route of Optical Fiber Network and location of ITS infrastructures
- Finding the best location for installing traffic devices using Network analysis
- Surveying and Collecting the route of Optical Fiber Network of Tehran
- Surveying and Collecting ITS infrastructure of Tehran traffic control company