Negin Ghoseiri, E.I.T.
Senior GIS Analyst

Education and Credentials

M.Eng., Civil and Environmental Engineering, University of Portland, Portland, Oregon, 2017

B.S., Civil Engineering, University of Portland, Portland, Oregon, 2011

B.S., Agricultural Water Resources Engineering, University of Tehran, Tehran, Iran, 2004

Graduate Certification in GIS, Portland State University, Portland, Oregon, 2014

Engineer in Training, Oregon (License No. 86195EI)

Continuing Education and Training

AutoCAD, Intermediate and Detailed Drawing, Civil3D Applied CAD (2013–2014)

Database Design and Management (2014)

Introduction to Computer Science and Programming Using Python (2020–present)

Professional Affiliations

Member of Women in Environment

Member of Women in Tech

Professional Profile

Ms. Negin Ghoseiri is a GIS analyst with 8 years of experience in processing, managing, and presenting environmental and geospatial data and leading geospatial and remote sensing data production, including workflow management, technical support, and process improvement. Ms. Ghoseiri has a diverse background in environmental data analysis, record research, geospatial data production, technical map production, and data visualization. Ms. Ghoseiri regularly uses the ArcGIS suite to generate complex technical maps and analyze spatial data. In addition, she has various skill levels in using data manipulation and analytical software such as QGIS, MicroStation, AutoCAD, Civil3D, and GeoCue and an evolving skill set in Python and R languages. Her academic background focused on data modeling, statistics, database management, spatial data analysis, and GIS.

Relevant Experience

3D Elevation Program (3DEP) Data Production, Various Locations, Nationwide—LiDAR technical lead in production of point cloud-based elevation data to contribute to 3DEP's national baseline of high-resolution topographic elevation data. Technical lead in data accuracy assessment, report production, and metadata generation.

Power and Gas Utility Management and Safety, Various Locations, Nationwide—LiDAR technical lead in production of point cloud based data products used in operation, management, and environmental and health safety of gas and power lines. Technical lead in data accuracy assessment, report production and metadata generation.

City of Portland's Stormwater Asset Management, Portland, Oregon—Engineering trainee in maintaining and updating the stormwater utility assets inventory. Performed a variety of tasks such as historical record research, data scrubbing, fieldwork preparation, and field investigation of assets. Also provided GIS and database management support for production of large-scale maps and map templates.

Former DDT Manufacturing Facility RI/FS, Portland, Oregon—Provided GIS support including map production, geospatial

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analysis, and data management for a remedial investigation and design report for a former DDT manufacturing facility.

Steel Mill, Portland, Oregon—Provided GIS support including map design and production, geospatial analysis, and data management for allocation and remedial design work related to an active steel mill.

Former Veneer Mill, Remedial Investigation, Centralia, Washington—Provided GIS support, map production, and data analysis for a remedial investigation and feasibility study of a former veneer mill in Centralia, Washington. The nature and extent of pentachlorophenol and petroleum hydrocarbons in soil and groundwater are the focus of investigation.

Presentations / Posters

Ghoseiri, N., and A. Trambley. 2018. Solar loading and effective shade analysis using LiDAR data and components of the Heat Source model. 2018 Annual Water Resources Conference, American Water Resources Association, Baltimore, MD. November 4–8.