

# Daniel M. Sheehan

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## Profile

Geographer/GIS Analyst at Columbia University, student at the Institute for Data Science and Engineering at Columbia University. Python programmer. Works with Pandas, ArcPy, Shapely, GDAL/OGR and PostGIS. Interested in learning more FOSS4G and online mapping tools.

## Experience

Senior GIS Analyst, Geographer, Senior Staff Associate, Instructor  
Columbia University, New York, NY  
February 2010 – present

Lead GIS Analyst at the Department of Epidemiology. Worked for the Built Environment and Health Research Group. Specialized in secure (HIPAA/IRB) geocoding, geoprocessing of large data for public health related research projects, GPS studies, programming, project design, mapping (web and static) and co-authorship of research papers.

GIS Instructor/Adjunct Professor  
Columbia University, New York, NY  
September 2010 – present

Columbia University - Epidemiology and Population Health Summer Institute (4 courses)  
Barnard College - Urban Studies Program (3 courses)  
Columbia University - Quantitative Methods in the Social Sciences (1 course)

GIS Analyst  
AECOM, New York, NY  
August 2007 – January 2010

GIS Analyst at AECOM (formerly Earth Tech, Inc.). Principal duties were performing data analysis/mapping for Environmental Impact Statements (EIS). Worked mainly on large transit projects (Tappan Zee Bridge/I-287) and military EIS/OEIS (OverseasEIS) for Naval Surface Warfare Center Dahlgren, Camp Lejeune, Cherry Point, Guam and N. Mariana Islands.

## Education

Columbia University - New York, NY - Certification of Professional Achievement in Data Sciences, 2016 (expected)  
University at Buffalo - Buffalo, NY – MA Geography/Specialization in GIS, 2008  
State University of New York at Geneseo - Geneseo, NY – BA Geography, 2005

## Skills

**GIS & CAD:** ArcGIS, QGIS, PostGIS, Google Earth, TileMill, ERDAS Imagine, LizardTech GeoExpress, AutoCAD and Bentley MicroStation  
**Programming & Web:** Python, VBArObjects, SQL, VBscript, html, css, Javascript, CartoDB, OpenLayers, Google Maps API, Leaflet, D3, jekyll, django, Amazon Web Services  
**Statistics:** STATA, R, StatTransfer  
**Graphic:** ImageMagick, Processing, Adobe: Illustrator, Photoshop, Dreamweaver and Bridge