

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 and OGR. Interested in learning more FOSS4G and online mapping tools.
Experience	<p>Senior GIS Analyst, Geographer, Senior Staff Associate, Instructor Columbia University, New York, NY February 2010 – present</p> <p>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.</p> <p>GIS Instructor/Adjunct Professor Columbia University, New York, NY September 2010 – present</p> <p>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)</p> <p>GIS Analyst AECOM, New York, NY August 2007 – January 2010</p> <p>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.</p>
Education	<p>Columbia University - New York, NY - Certification of Professional Achievement in Data Sciences, 2016 (expected)</p> <p>University at Buffalo - Buffalo, NY – MA Geography/Specialization in GIS, 2005</p> <p>State University of New York at Geneseo - Geneseo, NY – BA Geography, 2005</p>
Skills	<p>GIS & CAD: ArcGIS, QGIS, Google Earth, TileMill, ERDAS Imagine, LizardTech GeoExpress, AutoCAD and Bentley MicroStation</p> <p>Programming: Python, VBArObjects, SQL, VBscript, html, css, Javascript, OpenLayers, Google Maps API, CartoDB, Leaflet, D3</p> <p>Statistics: STATA, R, StatTransfer</p> <p>Graphic: ImageMagick, Processing, Adobe: Illustrator, Photoshop, Dreamweaver and Bridge</p>