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

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, Google Earth, TileMill, ERDAS Imagine, LizardTech GeoExpress, AutoCAD and Bentley MicroStation
Programming: Python, VBArcObjects, SQL, VBscript, html, css, Javascript, OpenLayers, Google Maps API, CartoDB, Leaflet, D3, jekyll, django
Statistics: STATA, R, StatTransfer
Graphic: ImageMagick, Processing, Adobe: Illustrator, Photoshop, Dreamweaver and Bridge