

Benjamin A. Mancell

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EDUCATION

Hunter College at CUNY

2003-2006

New York, NY

Graduated Summer 2006. Master of Arts in Geography and GIS Certificate.

Course work in: GIS Programming, GIS Data Modeling and Problem Solving, Spatial and Non-Spatial Statistical Analysis, GIS Applications in Social Geography, GIS Applications in Transportation

GPA: 3.885

Eastern Michigan University

1998-2002

Ypsilanti, MI

Graduated December 2002, Summa Cum Laude. Bachelor of Arts.

Major: Urban and Regional Planning, Minor: Cartography and Remote Sensing

Course work in: Urban and Regional Planning, Geographical Information Systems, Remote Sensing, Aerial Photo Interpretation, Cartographic Design/CAD, Historic Preservation

GPA: 3.913

SOFTWARE EXPERIENCE

Leaflet, MapBox, ArcGIS Desktop 10.7, ArcGIS Pro 2.9.0, ArcGIS Collector/Survey 123, ArcGIS Online, Oracle OAS, GitHub Desktop, Git Bash, Visual Studio Code, QGIS 3.16.14, R Statistical Software, SPSS, Business Objects Crystal Reports 11, Adobe Illustrator and Photoshop, SQL Server 2008, Microsoft Visual Studio 2008, Excel, Access, SharePoint, PowerPoint and Word.

PROGRAMMING EXPERIENCE

JavaScript, jQuery, D3.js, NVD3, DataTables, HTML, CSS, Bootstrap, Python, C#, VB.Net, VBA, ArcObjects, ArcXML, XML, JSON, Adobe Flex SDK

WORK EXPERIENCE

NYC Department of Buildings

August, 2016 – Present

New York, NY

Title: GIS Manager

Develop web-based data visualization applications using JavaScript, D3.js, NVD3, HTML/CSS, Leaflet, MapBox, and Bootstrap for internal and external use including support for deployment of real-time, automated web apps. Develop and update external reports including the public facing NYC Construction Dashboard. Develop interactive mapping applications that support Local Law compliance including Local Law 196 Construction Site Safety Training and Local Laws 97, 92 and 94 which support reductions in greenhouse gas emissions. Supervise a front-end web developer who provides agency support for internal and external applications and GIS data modeling. Actively contribute repositories and code to the NYC Buildings GitHub page. Develop and manage remote data collection using ArcGIS Collector/Survey 123 applications including the creation of interactive dashboards to display real-time inspection results. Support administrative functions of the agency's ArcGIS Online account including managing permissions and credit allocations. Fulfill all spatial analytics and mapping requests for the Analytics and Data Science Unit.

NYC Department of Environmental Protection

November, 2012 – August, 2016

Queens, NY

Title: GIS Analyst

Manage the collection and analysis of data to identify recurring complaints and high-density areas of sewer backups. Produce complex analyses steered to target work efforts of programs like the Sewer Operations and Analysis Program and the Programmatic Degreasing program. Initiate recommendations for engineering inspections of targeted locations. Present analyses to executive staff and provide analyses to the Mayor's Office. Develop, manage, and maintain geodatabases. Automate workflow processes using scripts and models in ArcGIS and MS Access. Fulfill various mapping and spatial analysis requests throughout the agency.

Robert K. Futterman and Associates

August, 2009 – October 2012

New York, NY

Title: Senior GIS Analyst

Develop multivariate suitability models for national retail expansion. Create retail competition and demographic maps and reports for staff. Develop, manage, and maintain geodatabases. Develop customized tools and programs in ArcGIS and MS Access using C#, VB.Net, and VBA.

Bronx Overall Economic Development Corporation

January, 2006 – July, 2009

Bronx, NY

Title: GIS Analyst

Create maps for staff and local business development agencies with an emphasis on mapping and analyzing demographic and health-related data, local business characteristics, and real estate property data. Develop and author web-based maps using ArcIMS. Database management of available real estate properties in the Bronx. Supervised IT staff.