

Steven Fernandez, MA, GISP, CCM

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Experience

Research Assistant Professor, July 2018 – Present

School of Public Affairs, University of South Florida, Tampa, FL

Courses Taught in the School of Public Affairs and the School of Geosciences

URP 6930: GIS for Planners

URP 6930: GIS II - Urban Spatial Analysis

URP 6930/EVR 6937: LiDAR and 3D Applications of GIS

URP 6906: Independent Study - GIS Applications in Planning

GIS 6307: Socio-Economic GIS

GIS 3006: Computer Cartography

GEO 4910: Independent Study - 3D GIS

GEO 6908: Independent Study - Advanced Socio-Economic GIS

GIS Professional Development

2019 - Hillsborough County Custom GIS Professional Training

STEM for Scholars Program

3D GIS Applications

***FAA-Certified Drone Pilot, Small Unmanned Aircraft Systems**

Research Activity

- Lead activities and projects to develop, maintain, analyze and display geographic information systems (GIS) databases and cartographic products, including terrestrial and aerial LiDAR for use in 2D and 3D geospatial analyses and display.
- Responsible for GIS data mining, creation, conversion, reprojection, editing, metadata creation and final map production for all projects.
- Design and author all Cartographic Output, including electronic maps, hard copy maps, Google Earth Maps, ArcGIS Web maps and publication maps.
- Present on projects and program objectives to USF community, industry conferences, state, federal and local agencies.
- Build 3D data and 3D spatial models using Aerial and Terrestrial LiDAR (Laser Scanners) equipment.

GIS Project Management Contributions:

2016 - 2018 - Family Study Center, University of South Florida, St Petersburg – Lake Maggiore Shores Initiative
GIS Data Management and Training

Research Assistant Professor, July 2016 – July 2018

GIS Project Manager, July 2009 – June 2016

University of South Florida, Alliance for Integrated Spatial Technologies / Center for Virtualization and Spatial Technologies, Tampa, FL

GIS Project Management Contributions:

2016 - Paris, France - 3D Mapping and Visualizing the Galerie de paléontologie et d'anatomie comparée at the Muséum national d'histoire naturelle

2016 - Corporation to Develop Communities of Tampa, Inc – Quality of Life Report for East Tampa / Sulpher Springs / East Lake-Orient Park

2016 - 2018 - Spain - The Systematic 3D Documentation of Cultural Heritage Sites of the La Mancha Region

2016 – Russell Cave National Monument (U.S. National Park Service), Alabama – Terrestrial Laser Scan Mapping and Historical Map Georeferencing

2015 – The Armenian Heritage and Social Memory Program, Haghpate Monastery, Haghpate, Armenia

2015 – City of St. Petersburg Parks – Utility GPS Mapping for Vinoy, North Straub, South Straub, Coffee Pot and Albert Whitted Parks, City of St. Petersburg, FL

2015 – Cape Canaveral Air Force Station – 3D Digital Documentation of Historic Structures at CCAFS: A Workflow Methodology for 3D Documentation of DOD Cultural Resources, Phase II

2015 – City of Tampa Parks - Perry Harvey Sr. Park Skateboard Bowl “Bro Bowl” (8Hi12147) 3D Documentation Project

2014 – Florida Department of Transportation - 3D Documentation of the Sunshine Speedway Piers and Raceway, Largo, Florida

2014 – Georgia Department of Natural Resources, State Parks and Historic Sites, Terrestrial Laser Scan Mapping of Etowah Mounds

2014 – National Park Service - 3D Documentation of the Earthen Fort and Tunnels at the 96 Historic Site, Greenwood, South Carolina

2014 – City of St. Petersburg, FL - 3D Scanning, Documenting, and Visualizing Prehistoric Shell Midden and Mound Sites

2014 – Biscayne National Park - Aerial LiDAR and GPS Mapping of Sands Key and Totten Key

2014 – Everglades National Park (U.S. National Park Service), Florida - Aerial LiDAR Mapping and Historic Map Georeferencing of Turner Mounds, Russell Key, Sandfly Key, Lopez Place

2013 – Florida Department of Environmental Protection, Division of Recreation and Parks - Archaeological Resource GIS Sensitivity Modeling in Florida State Parks District 1: The Northwest Florida Region

2013 – Florida Department of Environmental Protection, Division of Recreation and Parks - Archaeological Resource GIS Sensitivity Modeling for Florida State Parks District 4: the Southwest Region and District 5: the Southeast Region

2013 – National Park Service - Climate Change and Cultural Resources: A GIS Approach for Management and Planning in the Southeast Region NPS (CESU)

2013 – Nation Registered Historic Places (NRHP) - Chinsegut Hill Manor House of Brooksville, Florida - Terrestrial Laser Scanning and Aerial LiDAR Mapping

2013 – Cape Canaveral Air Force Station - 3D Digital Documentation of Historic Structures at CCAFS: A Workflow Methodology for 3D Documentation of Department of Defense Cultural Resources

2013 – National Park Service - Terrestrial and Airborne LiDAR Digital Documentation of Petroglyphs in Three Regions: Hawaii

2013 – National Park Service - Terrestrial and Airborne LiDAR Digital Documentation of Petroglyphs in Three Regions: US Virgin Islands

2013 – Fort Matanzas National Monument (U.S. National Park Service), Florida - Terrestrial Laser Scan, Aerial LiDAR, Historical Map Georeferencing and GPS Mapping

2012 – Florida Department of Environmental Protection, Division of Recreation and Parks - Archaeological Resource GIS Sensitivity Modeling in Florida State Parks District 2: The Northeast Region

2012 – Addison Blockhouse Historic State Park, Florida – Aerial LiDAR Mapping & Historic Map Georeferencing

2012 – Natchez Trace Parkway (U.S. National Park Service), Mississippi – Terrestrial Laser Scan and Aerial LiDAR Mapping, Historic Map Georeferencing of Emerald, Boyd and Gordon Mound Sites.

2012 – National Park Service - Terrestrial Laser Scanning and GPS Data Collection - Documentation of a Newly Discovered Group of Prehistoric Native American Petroglyphs, Phase II.

2011 – National Park Service - Terrestrial Laser Scanning and GPS Data Collection - Documentation of a Newly Discovered Group of Prehistoric Native American Petroglyphs, Phase I.

2010 – Florida Department of Environmental Protection, Division of Recreation and Parks - Archaeological Resource GIS Sensitivity Modeling in Florida State Parks District 3: the East and Central Florida Region.

2010 – Canaveral National Seashore (U.S. National Park Service), Florida - Aerial LiDAR Mapping and Historic Map Georeferencing of Turtle Mound, Windy Castle, Humming Bird, Snyder Mound and Ross Hammock Mounds

2010 – Canaveral National Seashore and Merritt Island National Wildlife Refuge - Aerial LiDAR Mapping and Historic Map Georeferencing of Elliot Sugar Mill

2010 – Natchez Trace Parkway (U.S. National Park Service), Mississippi – Magnetometer, Ground Penetrating Radar Mapping and Historical Map Georeferencing

2010 - Takalik Abaj Monumental Stone Sculpture, Guatemala - High Definition Digital Documentation and Analysis Mapping

2010 – Camp Blanding Joint Training Center, Clay County, FL - Ground Penetrating Radar and GPS Mapping

GPS, Terrestrial Laser Scan and Mapping Fieldwork

2015 – Cape Canaveral Air Force Station, Florida – Launch Complex 1,2,3 and 4, Launch Complex 9 and 10, Launch Complex 31 and 32, Launch Complex 14, Launch Complex 19, Launch Complex 21 and 22, Launch Complex 34, Building Number 49800 and Area 55

2015 – City of St. Petersburg Parks – Utility GPS Mapping City of St. Petersburg

2015 – City of Tampa Parks - Perry Harvey Sr. Park Skateboard Bowl “Bro Bowl”

2015 – Castillo de San Marcos National Monument (U.S. National Park Service), St Augustine, Florida

2014 – Sunshine Speedway Piers and Raceway, Florida Department of Transportation – Largo, Florida

2012 – Fort Matanzas National Monument (U.S. National Park Service), Florida

2012 – National Park Service – Washington DC Area and Potomac River

2011 – National Park Service – Washington DC Area and Potomac River

2010 – Takalik Abaj Mayan Ruins, Guatemala

2010 – Cape Canaveral National Seashore, Florida – Turtle Mound and Ross Hammock Mound

GIS Analyst / Cartographer, March 2004 – Present

Global Cartographics, LLC, Tampa, FL

Projects based on analyzing cadastral, land use and business data using Geographic Information Systems and Cartographic Operations for planning, consulting and law firms in the real estate and land use planning field. Analyses that refer to restricted uses include Gas stations, Automobile related businesses, Bars, Restaurants, Retail alcohol uses, Tattoo parlors, Adult uses, and Firework stores.

Project Director and Analyst (* Indicates Fieldwork)

Arizona

2007 – *City of Phoenix, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

2012 – *City of Phoenix, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

Arkansas

2007 – City of Texarkana, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

2008 – City of Clarksville, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

California

2004 – City of San Diego, Restricted Use Commercial Property Evaluation

2005 – City of Industry, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

2007 – City of Santa Barbra, Automobile Access Mapping

2007 – City of Los Angeles, Restricted Commercial Use Proximity Analysis

2012 – City of Industry, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

2012 – San Bernardino County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

Connecticut

2004 – City of Waterbury, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

2006 – City of Hartford, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

2007 – Town of East Hartford, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

Florida

2004 – City of Miami Beach, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

2004 – *Alachua County, Restricted Use Commercial Property Evaluation

2004 – Cooper City, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

2004 – City of Lauderdale Lakes, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

2004 – *City of Melbourne, Consultant on Establishing Ordinances for Restricted Commercial Uses
2004 – City of Miami Beach, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2004 – City of Oakland Park, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2004 – City of Panama City - Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2004 – City of Stuart - Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2004 – City of Sunrise - Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2004 – City of Tamarac - Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 – City of Wilton Manors, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 – *City of Jacksonville, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 – City of Fort Lauderdale, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 – City of Margate, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 – Palm Beach County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 – *City of Plant City, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 – Palm Beach County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 – Town of Southwest Ranches, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2006 – *Alachua County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2006 – Town of Davie, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2006 – City of Hallandale Beach, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2006 – City of Miami Beach, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2006 – City of Oakland Park, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2006 – *City of Tampa, Land Use Analysis for Chain Restaurant
2007 – *City of Palm Bay, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2007 – City of Sarasota, Restricted Use Commercial Property Evaluation
2007 – City of St. Augustine, Proposed Restricted Use Zone Analysis
2008 – City of Destin, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2008 – *City of Jacksonville, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2008 – Pinellas County, Restricted Use Commercial Property Evaluation
2008 – *City of Tampa, Restricted Use Commercial Property Evaluation
2008 – *City of Tampa, Commercial Use Conformance Analysis
2009 – City of Daytona Beach, Historical Mapping of Locations for Restricted Commercial Uses
2009 – City of Tampa, Restricted Use Commercial Property Evaluation
2009 – *City of Tampa, Site Mapping and Building Layout Map
2010 – *City of Jacksonville, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2010 – City of Tampa, Restricted Use Commercial Property Evaluation
2011 - 2015 – Crystal River, Legal Description Mapping for a Merger of 7 Properties
2011 – Homosassa, Legal Description Mapping for a Right-of-Way Vacation
2011 – Pinellas County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2011 – City of Tampa, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2012 – Homosassa, Legal Description Mapping for a Right-of-Way Vacation
2012 – Orange County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2012 – City of West Palm Beach, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2013 – Pinellas County, Site Mapping and Building Layout Map
2014 – Manatee County, Site Mapping for Restaurant Outdoor Seating Compliance
2014-2015 – Clay County, Consultant on Writing Ordinances for Restricted Commercial Uses
2014 – City of Tampa, Site Parking Plan Analysis and Mapping
2015 – City of Oakland Park, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2015 – City of Panama City, Ethnicity Breakdown Analysis Mapping of Colleges and Universities within 200 Miles of the City of Panama City Beach
2016 – Pasco County – Restrictive Residential Ordinance Analysis

2016 – Pinellas County, Legal Description Mapping and Site Plan Mapping for Waterfront Restaurant
2016 – *City of Tampa, Rezoning and Site Plan Mapping
2017 – Town of Redington Beach, Updates and Cartography for Town Zoning Map
2018 – Town of Redington Beach and North Redington Shores – Open Space Mapping for FEMA Evaluation
2018 – City of Pompano Beach, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2019 – City of Opa-Locka, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2019 – Town of Redington Beach, Impervious Surface Analysis for all Properties
2019 – City of St Pete Beach, Dune Vegetation Removal and Mitigation for Beach Access
2019 – City of Jacksonville, Legal Description Review for the merger of 21 parcels for Commercial Development

Georgia

2004 – City of Augusta, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 – Bibb County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 – *Gwinnett County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2007 – Floyd County, Restricted Use Commercial Property Evaluation
2008 – *City of Sandy Springs, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2008 – *City of Cordele, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2008 – Crisp County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2009 - 2010 – *City of Sandy Springs, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2015 – *City of Sandy Springs, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2015 – City of Atlanta, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2017 – City of Atlanta, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

Illinois

2004 – City of Marshall, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2006 – City of Chicago, Restricted Use Commercial Property Evaluation
2007 - 2009 – *Effingham County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2008 – *Cook County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

Indiana

2007 – Wayne County, Restricted Use Commercial Property Evaluation
2013 – City of Angola, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2013 – City of Indianapolis, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

Kansas

2007 – Dickinson County, Municipal Base Mapping

Massachusetts

2004 – *City of Peabody, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2004 – City of Dedham, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2007 – City of Dedham, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2007 – City of Worcester, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

Michigan

2004 – Grayling Township, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 – City of Grand Rapids, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 – Marengo Township, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2006 – Big Rapids Township, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

2006 – Emmet County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2006 – City of Melvindale, Restricted Use Commercial Property Evaluation
2007 – City of Warren, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2008 – Garfield Township, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2008 – Whitelake Township, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2009 – City of Wixom, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

Minnesota

2006 – City of Duluth, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2006 – City of Minneapolis, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2018 – City of Minneapolis, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

Mississippi

2012 - 2013 – City of Biloxi, Restricted Use Commercial Property Evaluation
2014 – City of Biloxi, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

New Jersey

2009 – City of Atlantic City, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2010 – City of Atlantic City, Restricted Use Commercial Property Evaluation
2010 – Gloucester City, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2012 – Ewing Township, Restricted Use Commercial Property Evaluation
2013 – *Township of Union, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2017 – Borough of Sayreville, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

New York

2004 – Town of Babylon, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2004 – City of Binghamton, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 - 2006 – Town of Greece, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 – Town of Hyde Park, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 – *City of New Rochelle, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005 – Village of Springville, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2006 – Town of Walkill, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2008 – Village of Bath, Restricted Use Commercial Property Evaluation
2009 – Town of Babylon, Restricted Use Commercial Property Evaluation
2010 – Town of Babylon, Restricted Use Commercial Property Evaluation

North Carolina

2004 – *City of Charlotte, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2004 – City of Concord, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2004 – Elizabeth City, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005/2007 – *City of Greensboro, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2005/2007 – Town of Garner, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2007 – Buncombe County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2007 – *City of Charlotte, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
2015 – City of Rocky Mount, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

Ohio

- 2004 – *City of Elyria, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2005 - 2006 – City of Twinsburg, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2006 – City of Toledo, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

Pennsylvania

- 2004 – Borough of Carlisle, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2004/2008 – Town of Armstrong, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2005 – Middlesex Township, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2006 – Lackawanna County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2007 – Borough of Homestead, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2011 – Schuylkill County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2012 – Columbia Borough, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

South Carolina

- 2008 – City of Easley, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2013 – Horry County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2014 – City of Columbia, Restricted Use Commercial Property Evaluation
- 2016 – City of Wellford, Restricted Use Commercial Property Evaluation

Tennessee

- 2004 – Loudon County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2006 – City of Memphis, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

Texas

- 2004 – *City of Arlington, Restricted Use Commercial Property Evaluation
- 2004 – City of Kennedale, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2005 – City of Kennedale, Restricted Use Commercial Property Evaluation
- 2008 – *City of El Paso, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2008 – City of Laredo, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2013 – City of San Antonio, Restricted Use Commercial Property Evaluation
- 2014 – *City of El Paso, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2017 – *City of El Paso, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

Virginia

- 2004 – City of Suffolk, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

Washington

- 2006 – City of Spokane, Restricted Use Commercial Property Evaluation
- 2008 – City of Seattle, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2013 – Snohomish County, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses
- 2018 – City of Tukwila, Analysis of Ordinance to Identify Locations for Restricted Commercial Uses

Expert Witness Appearances

- Appeared and qualified as an expert witness on the subject of Geographic Information Systems (GIS) and GIS Analyses in Casanova Entertainment Group, Inc. v. City of New Rochelle, United States District Court, Southern District of New York, Case No. 05-CV-2721.
- Appeared and qualified as an expert witness for - Hearing On An Objection Received For The Place To Place Transfer Of Prcl #1219-33-043-005, Snookers, LLC To Locate To 960 Rt. #9 So. And Waiver of Ord. 6-5.8, Special Council Meeting, Borough of Sayreville, New Jersey.
- Appeared and qualified as an expert witness on the subject of Geographic Information Systems (GIS) and GIS Analyses for numerous depositions.

Crew Leader, April – June, 2010,

US Census Bureau – Tampa, FL

- Coordinated and performed fieldwork for collection of Census Data for the 2010 US Census.

Graduate Assistant, August 2002 – May 2004

University of South Florida, Department of Geography - Tampa, FL - August 2002 – May 2004

- Work included GPS course development using Trimble GPS units and Pathfinder Software.
- Responsible for the retrieving, creation and management of GIS data for course work.
- Other duties include assisting students with hardware, software and other GIS lab related issues.

GIS Technician, August 2001 – August 2002

Town of Southampton, GIS Division - Southampton, NY

- Responsible for creating maps and data products for all departments of local government.
- Completed analyses with ArcView 3.x, ArcGIS 8.x, Pathfinder, Terrasync, Surfer 8 and MS Access.
- I was responsible for creating maps and data products for all departments of local government. Digitized map layers using historic maps, aerial photography, GPS data, and other sources to use on custom maps and analyses. Developed the Town's Census Geodatabase.
- Completed and maintained the town map archive of 60+ maps, which were available to the public.
- Created an Intermodal transportation map for mass production.
- Analyzed LIDAR data for beach erosion research and evaluation.

Environmental Steward, May 2000 – September 2000

Suffolk County Parks, Department of Conservation - West Sayville, NY – May 2000 - September 2000

- This was a paid internship for the Threatened and Endangered Species Program. Performed field research daily on endangered species within the park system. The research included data collection, observations and field analysis.

Education

University of South Florida – Tampa, FL – 2006 Master of Arts (M.A.) in Geography (Technical)

State University of New York – Oneonta - Oneonta, NY – 2001 Bachelor of Science (B.S.) in Geography with a Concentration in Remote Sensing and Cartography

Florida Association of Cadastral Mappers – Certified Cadastral Mapper of Florida - CCM Courses included Mathematics for the Cadastralist, Public Land Survey System, Interpretation of Real Property Descriptions and Base Map Compilation – 2008

Achievements

- Certified GIS Professional – GISP, The GIS Certification Institute (GISCI)
- Founding Vice President of the Gamma Theta Upsilon Geography Honor Society at SUNY – Oneonta

Presentations

2011 – Florida State Parks, State Parks Management Meeting, Wekiwa Springs State Park -
Archaeological Resource GIS Sensitivity Modeling in Florida State Parks

2014 – Cape Canaveral Air Force Station - 3D Digital Documentation of Historic Structures at CCAFS: A
Workflow Methodology for 3D Documentation of Department of Defense Cultural Resources

2016 – American Planning Association, Florida Conference 2016 - Tampa's Bro Bowl: Contested
Histories, Emerging Technologies

2017 – Tampa Bay History Center, Tampa Florida - Historical Cartography and the Touchton Map
Gallery