

# Miguel Garriga

4 Perry Lane, Altamonte Springs, FL 32701

# Geographic Systems LLC

[mgarriga@geographicsystems.com](mailto:mgarriga@geographicsystems.com) 321-279-6019

**SUMMARY:** Experienced GIS Consultant specializing in advanced GIS solutions for Business and Government. Expertise in Enterprise GIS for: Spatial Analysis, Cartography, Transportation and Routing, Disaster Management, Real Estate Development, Site Selection, and Marketing.

## **2004-Present President, Geographic Systems LLC, Altamonte Springs, Florida**

[www.geographicsystems.com](http://www.geographicsystems.com)

Miguel Garriga founded Geographic Systems LLC in 2004, with a focus on providing advanced GIS consulting and training services. ESRI has twice rated Miguel Garriga as the Top Instructor in the United States (2nd Quarter 2005 and 1st Quarter 2007). In 2008, the Orlando Business Journal named Geographic Systems LLC one of the top 25 Hispanic-Owned Businesses in Central Florida. Clients and Projects include:

- Anguilla Department of Disaster Management
- Barbados Ministry of Lands and Surveys
- Geographic Information Services Inc.
- JM Family Enterprises / Southeast Toyota LLC
- The Nature Conservancy

## **2004-2007 Editor, Society for Conservation GIS eNewsletter**

Publish eNewsletter for the Society for Conservation GIS. Researched recently completed projects featuring GIS for Conservation. Co-authored feature articles with specialists in the fields of GIS, Biology, Conservation, and Archaeology. [www.scgis.org](http://www.scgis.org)

## **1997-2003 Manager GIS Development & Support, American Automobile Association (AAA), Heathrow, Florida**

Implemented ESRI GIS technology at AAA, replacing legacy systems of manual and CAD cartography. Managed GIS Development group. Trained 12 Managers and 50 Cartographers on GIS. Provided leadership and direction on using GIS. Recruited experienced GIS developers. Directed development of ArcSDE database containing Navteq, TeleAtlas, and AAA travel data. Initiated development of Internet Triptik. Implemented Sheet Map and Tour Book map production systems. Developed workflows for mapping and data maintenance.

## **1990-1997 Technical Project Manager and Senior Application Developer, Environmental Systems Research Institute (ESRI), Redlands, California**

Founding member of the Transportation Logistics group at ESRI. Technical Project Manager for Sears' award-winning Enhanced Home Delivery Routing system. Developed custom applications for mapping and analysis using ESRI technology. Worked on a wide variety of applications for Government and Commercial clients in the United States and Asia.

## **1987-1990 GIS Programmer/Analyst, Spatial Data Sciences, McLean, Virginia.**

Developed spatial databases to support CustomMaps, the first computerized routing and mapping system developed for Automobile Clubs. Provided spatial databases and services for clients in private and public sector.

**1987 GIS Software Consultant, Federal Highway Administration, Washington, D.C.**  
Developed Federal Aid Primary and Emergency Route highway files, including structural modification and attribute enhancement. Worked as independent consultant under contract to complete work started by Geoplex Corporation.

**1986-1987 GIS Programmer/Analyst, Geoplex Corporation, McLean, Virginia.**  
Designed and developed computer mapping products and services for Federal Transportation and Emergency Management agencies, mapping software companies, and GIS consulting companies.

**1982-1985 CACI, Inc.-Federal, Arlington, Virginia**  
**Research Assistant** for Market Analysis Division for two years during graduate school.  
**GIS Programmer** for Transplex Division upon completing Masters degree.

### **Education**

- M.A. Geography (Urban and Regional Development), University Fellowship, George Washington University, Washington, D.C.
- B.A. Geography (Transportation), Minor in Psychology.  
George Washington University, Washington, D.C.

### **Papers and Presentations**

- "GIS Training for Disaster Management in Anguilla", Latin America ESRI User Conference 2007, Dominican Republic.
- "Towards Building a Detailed GIS Dataset for the Caribbean", URISA Caribbean GIS Conference 2004, Barbados.
- Presentation on Map Generalization, Generalization Committee Meeting, International Cartographic Association 2001, Beijing, China.  
<http://www.geo.unizh.ch/ICA/docs/beijing2001/presentations/n01-garriga.pdf>
- "Generalization of Multiple Scale Maps from a Single Master Database", Miguel Garriga and Geoff Baldwin, ESRI User Conference 2001, San Diego, CA.  
<http://gis.esri.com/library/userconf/proc01/professional/papers/pap350/p350.htm>
- "Producing Multiple Scale Map Products from a Single Master Database", Miguel Garriga and Hari Koduru, ESRI User Conference 1998, San Diego, CA.  
<http://gis.esri.com/library/userconf/proc98/PROCEED/TO350/PAP327/P327.HTM>
- "Using GIS as a Display and Control Engine for a Traffic Management System". GIS for Transportation Symposium, Proceedings, Washington, DC: American Assoc. of State Highway and Transportation Officials (AASHTO), 1994. pp1:287-296.
- "The Task Engine and Process Scripts", ESRI User Conference Proceedings, Palm Springs, CA, June 1992. Vol. 3, pp. 221-231