

# Gary C. Maps

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## EDUCATION

**Bachelor of Science Degree in *Geographic Science***, May 2011  
James Madison University, Harrisonburg, Virginia  
Concentration: ***Geographic Information Science***

## GEOGRAPHIC SCIENCE EXPERIENCE

**Geographic Information Systems Internship** 2010 - 11  
***USDA- Resource Management Service*** Leesburg, Virginia

- Generate Remote Sensing and GIS data and use auto-CAD survey assessment tools.
- Generate reports on hydrology/soil GIS layers.
- Implement knowledge of geographic information systems, spatial analysis techniques and database management on assigned projects.
- Worked on joint projects with the Geologic Survey, EPA and DEQ.

**Alternative GIS Report: Investigated Alternative ESRI Software Products** 2011  
***Independent Study*** James Madison University

- Installed an operational version of GRASS - Geographic Resources Analysis Support.
- Identified and evaluated geographic information system packages as alternatives to current ESRI software.
- Findings used to determine if alternative GIS course should be offered to JMU students and compiled listing of software packages for student use.

**Broadband Survey of Fairfax County and Town of Woodbridge** 2009 - 10  
***Independent Study*** James Madison University

- Determined for area businesses and private residences the availability of broadband service.
- Analyzed geo-referencing data, designed database and generated survey maps for publication.

**Geographic Information Systems Internship** 2009  
***Rockingham County Service Authority*** Penn Laird, VA

- Compared sewer and water utility as-built drawings to GIS data layers.
- Analyzed and gathered survey grade GPS data.

**Staunton City and Albemarle County Metropolitan Survey** 2008  
***Group Independent Study*** James Madison University

- Analyzed and compared growth and development patterns for Staunton City and Albemarle County occurring between the 2000 and 2010 US Census.
- Applied spatial analysis techniques to review the growth and development in this geographic area and aided in the production of published demographic data maps.

## TECHNICAL SKILLS

- Extensive knowledge and computer training in multiple GIS software packages: Auto-CAD, ESRI-Products, ERDAS, Imagine, and GRASS.
- Experienced in programming languages of HTML, Visual Basic and XML.
- Ability to perform extensive computer repairs and hardware assembly.

## LEADERSHIP EXPERIENCE

**Nature Program Director, *Camp Overlook***, Timberville, VA 2009  
•Developed nature activities for children ages 4 to 18 years and counseled to campers.  
•Maintained the beatification of nature trails.

**Assistant Youth Minister, *Spring Valley Lutheran Church***, Broadway, VA 2006-08  
•Prepared activities for the church youth.  
•Provided counseling for church youth and aided in youth functions.