

John J Reiser

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Profile

Self-motivated and ambitious GIS Specialist with experience in project management, GIS database administration and software customization and programming. Has experience with advanced spatial analysis, GIS data creation and management, cartography, and web programming relating to geospatial analysis. Developed several interactive websites dealing with geospatial data and community outreach.

Work Experience

Campus GIS Specialist – *Rowan University, Glassboro, NJ*

(September 2009 – Present)

Sole developer of the New Jersey Land Change Viewer, the interactive, animated web mapping component of the “Changing Landscapes of the Garden State” analysis, a collaborative effort between Rowan and Rutgers Universities. Manager of the Rowan Geospatial Research Lab. Developed implementation strategies for the National Guard GIS Internship program and currently overseeing students as they progress through the work plan. Developing and maintaining the campus GIS base data for use in on-campus applications, such as Facilities Management and Public Safety. Teach two GIS-related courses within the Geography Department each semester.

Planning/GIS Specialist – *Office of Smart Growth, State of New Jersey, Trenton, NJ*

(January 2007 – August 2009)

Created, reviewed and managed geographic data related to Cross Acceptance, Plan Endorsement and State Plan updates. Coordinated updates of the State Plan GIS data and metadata. Reviewed applications for and managed community visioning Smart Future Grants. Authored Community Visioning Standards for the Plan Endorsement process. Conducted research on transportation projects within the State. Developed and maintained databases pertaining to Cross Acceptance, Plan Endorsement and Main Street programs.

Adjunct Professor – *Geography Department, Rowan University, Glassboro, NJ*

(January 2008 – May 2009)

Developed lectures and assignments dealing with advanced geographic concepts, database management and geospatial data manipulation. Authored a working class session dealing with GPS and GIS integration. Courses taught include introductory as well as advanced GIS. Topics covered include mapping science, cartography, GIS concepts, database management, spatial analysis, network analysis, and regression models.

Associate Planner – *A. Nelessen Associates, Belle Mead, NJ*

(January 2006 – January 2007)

Coordinated public visioning and outreach sessions. Developed form-based codes for several projects. Produced illustrations, photosimulations and 3D models, aiding in the implementation of vision and redevelopment plans. Responsible for acquiring GIS data and producing cartography for the firm.

GIS Analyst – *Center for Mental Health Services and Criminal Justice Research, New Brunswick, NJ*

(November 2004 – November 2005)

Developed methodology to determine extent of pedestrian-oriented commutersheds and neighborhoods for three counties. Deliverables included maps of study area including extent of defined neighborhoods, community nodes, demographics, and locations of social services.

GIS Analyst – *Moorestown Fire District #1, Moorestown, NJ*

(December 2003 – August 2004)

Worked with Fire Chief and Marshall to develop a GIS incident location system based in response vehicles. Responsibilities included GIS data development and management as well as spatial analysis to produce a vehicle guidance system for emergency response.

Web Programmer – *Cam-Bel Media, Inc., Richland, NJ*

(October 2001 – July 2003)

Created a customer management web application, allowing clients to submit changes or approvals to current jobs. Managed websites for clients in construction and chemical industries. Assisted others in HTML, Photoshop, and server management.

Education

Rutgers, The State University of New Jersey

Masters in City and Regional Planning, October 2006.

Concentration in Transportation Planning and Physical Planning.

Rowan University

Bachelors of Arts in Geography, May 2004.

Focused on Cultural Geography, GIS, and Cartography.

Presentations and Research

Materials related to my presentations and research can be found online at

<http://njgeo.org/presentations>.

American Planning Association – New Jersey Chapter, November 2010

“Planning in the Cloud”

Three-hour workshop guiding planning professionals through productivity, presentation and GIS tools offered as cloud-based services.

MAC URISA Conference, October 2010

“Introduction to Distributed GIS Services”

Full-day, pre-conference workshop covering the basics of GIS web services.

MAC URISA Spring Meeting, May 2009

“Internet-enabled GIS Using Free and Open Source Tools.”

Presentation on Open Source GIS offerings to the Mid-Atlantic Chapter of URISA.

State Planning Commission, 2008-2009

“Analysis of South Jersey Rail Expansion Alternatives.”

Primary investigator evaluating five rail alternatives to determine compatibility with the goals and objectives of the New Jersey State Plan.

Community Involvement

Secretary, New Jersey Geospatial Forum *(January 2011-December 2013)*

Elected as the Education Representative to the Forum, the statewide council and advocacy group for issues related to geospatial technology.

Trustee, Board of MAC URISA *(January 2011-December 2013)*

MAC URISA is a regional chapter of the Urban and Regional Information Systems Association, with a special focus on education and outreach.

Treasurer, American Planning Association, New Jersey *(October 2007 – October 2009)*

Introduced online registration for the annual conference. Managed bank accounts, investments, and handled annual budget.

Technical Skills

Software

ArcGIS 9 & 10 (Including ModelBuilder, Network, Spatial, and 3D Analyst tools)

ArcGIS Server and SDE

Open Source GIS Server software, such as Mapserver and GeoServer

SketchUp/Google Earth

Adobe Creative Suite (Photoshop/Illustrator/InDesign) & Microsoft Office

Autodesk AutoCAD

Programming/Data Languages

Python

Javascript (AJAX, HTML & XML DOM, JSON)

Perl

SQL (primarily MySQL and PostgreSQL)

Visual Basic for Applications

XML