
EXPERIENCE

- 2011 **Enterprise GIS Specialist - Oracle DBA, Consultant.** Lockheed Martin, contracted to Department of Interior, Bureau of Indian Affairs, Albuquerque, NM.
- 2009–2010 **Enterprise GIS Specialist.** U.S. Army Corps of Engineers. Albuquerque, NM.
- 2008–2009 **Enterprise GIS Specialist, Consultant.** Las Vegas Valley Water District. Las Vegas, NV.
- 2008 **Enterprise GIS Specialist, Freelance.** Compass Systems, Inc. Champaign, IL.
- 2005–2008 **Enterprise GIS Lead.** Los Alamos National Laboratory, GISLab, Earth & Environmental Sciences Division (EES-9). Los Alamos, NM.
- 2001–2005 **Visiting GIS Specialist.** College of Veterinary Medicine, University of Illinois. Urbana-Champaign, IL.
- 2001–2001 **GIS Specialist.** Illinois State Geological Survey. Champaign, IL.
- 1999–2001 **GIS Specialist.** Illinois Transportation Archaeological Research Program, University of Illinois, Champaign, IL.
- 1998 **Internship in GIS.** Illinois State Geological Survey. Champaign, IL.

CERTIFICATION

- 2005 **GIS Professional,** issued from the GIS Certification Institute.

EDUCATION

- 2000 **University of Illinois, Urbana-Champaign, B.A.** in Geography, Highest Distinction, Bronze Tablet.
- 1997 **College of DuPage, A.S.** in Earth Science, Highest Honors.

SELECTED PROFESSIONAL SKILLS

- **GIS:** implementation of proprietary and open-source GIS for desktop and enterprise-level data processing and management, internet mapping and data sharing administration and development; ESRI ArcGIS 8-10x, ArcGIS Server 9-10x, ArcSDE 8-10x, ArcInfo 7-10x, ArcView 3x, ArcPad 6-10x, LizardTech Image Server 6x, Google Earth, Google Maps, Leica ERDAS IMAGINE, Idrisi Kilimanjaro, GRASS, TerraSeer ClusterSeer, STIS, Mapserver, uDig, FWTools, PETRA, ENVI;
- **Systems Administration:** implementation of Microsoft Windows, Unix, Linux, VMWare desktop and server environments, networking in homogenous and cross-platform systems environments;
- **Database Administration:** Oracle 8i-11g RDBMS installation and management, ESRI ArcSDE 8-10x implementation, Microsoft SQL Server, MySQL, PostgreSQL;
- **Software Programming:** ArcObjects, Python, Visual Basic, KML, GML, shell script, Java, Perl, CGI, C, Avenue, AML;
- **Digital Cartography:** WebGIS using ArcGIS Server, Mapserver, Google Earth/Maps technologies; graphic design, digital publication, large-format map production; ESRI, Adobe CS, GeoPDF, CorelDraw, GIMP, Macromedia.

SELECTED PUBLICATIONS

- Ruiz, M. O., Kitron, U. D. and **Mc Tighe, T. J.** "Space-Time Intelligence" *Geospatial Solutions*: 15(2), February 2005.
- Ruiz, M.O., Tedesco, C., **Mc Tighe, T.J.**, Austin, C. and Kitron, U. D. Environmental and social determinants of human risk during a West Nile virus outbreak in the greater Chicago area, 2002. *International Journal of Health Geographics*: 3(8), 2004.
- Ruiz, M. O. and **Mc Tighe, T. J.** "The iPIX Mapping System: GIS with a 360° View" *Geospatial Solutions*: 13(3), March 2003.
- Phillips, A. C., Rhoads, B. L., **Mc Tighe, T. J.**, and Klaus, C., "Photoanalytic Assessment of Dynamics in Tributary Streams of the Illinois River Basin". Geological Society of America (GSA). A River Runs Through It: North-Central Section (36th) and Southeastern Section (51st), GSA Joint Annual Meeting. Lexington, Kentucky. Session No. 22-0. April 3-5, 2002.
- Grimley, D.A., and **Mc Tighe, T.J.**, 2004 (1998), Bedrock Topography of Maple Park Quadrangle, Kane County, IL: Illinois State Geological Survey, Illinois Preliminary Geologic Map Series, 1:24,000.

PROFESSIONAL SOCIETIES

- **GIS Certification Institute:** Outreach Board Member;
- **Association of American Geographers:** Member.