

Benjamin G. Lewis
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Technical Expertise

ArcGIS 9.x, ArcGIS Server, ERDAS, Global Mapper, Google Earth, MapServer, GeoServer, PostGIS, GeoMedia, AutoCAD, Microstation.

Education

- University of Pennsylvania, Phila. MRP (Master of Regional Planning), 1991.
- University of Wisconsin, Madison. BA, Asian Studies, 1986.

Work History

Senior GIS Specialist, Center for Geographic Analysis, Harvard University. February 2007 to the Present

- Providing support to faculty and researchers campus wide in a variety of GIS areas including research project design, data acquisition, database development, software training, and map production. Providing expertise in ESRI and open source web-based application design and implementation.

Senior Analyst, Advanced Technology Solutions, Inc. 1999 to December 2007

- Kentucky Landscape Census (KLC) Developed winning proposal to the Open Geospatial Consortium (OGC) to build web services nodes (WMS and WFS) for Kentucky's spatial data infrastructure. The KLC project is funded by NASA and includes Sanborn, Ionic, Compusult, and ATS on the OGC team.
- COMCARE EPAD Directory Developed winning proposal to the ComCARE Alliance to design a spatially enabled, nationwide directory of agencies providing emergency management services for emergency coordination. The project is funded by the US Department of Justice.
- Rapid Online Mapping Network (ROMap) Built a Java-based, peer-to-peer mapping system in conjunction with the Open GIS Consortium and the Federal Geographic Data Committee for presentation at the U.N. Summit for Sustainable Development in South Africa.

Senior Geographer, South Florida Water Management District, West Palm Beach Florida, 1996 to 1999

GIS Manager, McCormick Taylor and Associates, Inc. Philadelphia, Pennsylvania, 1993 to 1996

GIS Analyst, Expert Information Systems, University of California, Berkeley, 1991 to 1993

Awards / Citations

- Web site award from Directions Magazine February, 2005 for Keystone Research Map.
- Washington Post columnist Neal Peirce reference in A Second Chance for Blue Collar Cities?, May 2004.

- Wayne Gretzky Award for “Skating to Where the Puck Will Be” from the Emerging Technology Subcommittee, CIO Council, March 2004.
- Web Site of Day Transportation Communications Newsletter, June 2003 for [PA Stone Arch Bridge](#)

Conferences / Publications

- “The Open Source Spatial Services Kit: Lower the Cost of Deploying Services on the GeoWeb” [Directions Conference on Location Intelligence](#) San Francisco, April 2006.
- “EPAD: A Geospatially Enabled Directory for Emergency Response Interoperability” [Directions Conference on Location Technology and Business Intelligence](#), Philadelphia, May 2005.
- “Reducing Costs and Related Barriers to the Creation of Spatial Communities Using Open Approaches” National Science Foundation Workshop: Toward A Unified Geospatial EA, Washington DC, March 2005.
- “Spawning New Spaces: A Component Approach to Bridging National and Local Spatial Data Infrastructures” [FOSE 2004 - Third Quarterly Emerging Technology Conference: An Emerging Public-Private Partnership](#), Washington DC, March 2004.
- “[Open Source with Open Standards](#)”, OGC Member Column for [GIM International](#), October 2003. Article [republished](#) by [Directions Magazine](#) December 2003.
- “Collaborating a Worldwide Public Spatial Data Infrastructure through Open Source” [Open Standards/Open Source for National and Local eGovernment Programs in the U.S. and EU](#) George Washington University, Washington DC, March 2003
- “ROMap Presentation in OGC Interoperability Demonstration”, U.S. Department of State, United Nations World Summit on Sustainable Development, Johannesburg, South Africa, August 2002.
- “Introduction to the Photogrammetry Asset Management System (PAMS)” with Brad Foltz of PennDOT. Transportation Research Board, Cody Wyoming, July 2002.
- “OPUS: A Peer-to-Peer Mapping Prototype”, Geographic Data Alliance, Washington DC, May 2002.
- “Open Source GIS: Fast, Powerful, and Good at Interoperability”, [GIS 2001: Extending the Technology](#), Penn State University, Hershey Pennsylvania, May 2001.
- Created [OpenSourceGIS.org](#), a master list of Open Source GIS software projects started February 2001.
- “Web-Based, Open Source GIS: A Well Kept Secret”, Web GIS 2000 Conference, Penn State University, State College, Pennsylvania, November, 2000.
- “A Holistic Approach to Modeling Outdoor Acoustical Environments”, [Geo Info Systems](#), May 1997.
- “A Holistic Approach to Modeling Outdoor Acoustical Environments”, [GIS-T '95 Symposium](#), Reno Nevada, April 1995 (w/James P. Cowan).
- “Tailoring GIS Technologies to the Transportation EIS Process”, [ARC/INFO Users Conference](#), Washington D.C., December 1994.

Languages

Working knowledge of Chinese and French