

Jason E. Hochschild – Résumé

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Objectives:

- Excel professionally by utilizing my organizational skills, attention to detail, versatility and aptitude
- Creatively apply the correct technological solution that efficiently and effectively achieves project goals
- Expand my current GIS and technical capacity through organized training and independent learning

Education:

- Graduate Certificate in Geographic Information Systems (GIS), University of Wisconsin - Madison, 2004
- BS Geography (Human-Environment Interaction Focus), University of Wisconsin - Madison, 2002
- Charles B. Whitnall High School, Greenfield, Wisconsin, 1994

Technical Knowledge:

- GIS Expertise: map production, comparative analysis, 3D visualizations, data manipulation, database creation, geocoding, shapefile editing, geoprocessing, projections, GPS field verification, data validation using orthophotography, ESRI Spatial Analyst and 3D Analyst extensions
- Web Mapping Applications: OpenGeo Community Suite w/ OpenLayers, GeoExt, GeoServer, PostGIS
- Web Programming: JavaScript, HTML, CSS, PHP, MySQL, WordPress
- Desktop Software: ESRI ArcGIS, ArcView, ArcIMS; FEMA HAZUS-MH; Microsoft Office; OpenOffice; Adobe Photoshop, Illustrator, Flash, Dreamweaver; Google Earth, SketchUp;
- Operating Systems: Microsoft Windows Desktop, Windows Server, UNIX
- Additional Skills: Handheld PCs, GPS units, printers, scanners, wired and wi-fi networking, digital video and photography, build computers, design database driven websites, provide technical support

Work Experience:

August 2009 to Present: *Association of State Floodplain Managers - GIS Contractor*

- Compared HAZUS-MH flood damage estimates to actual NFIP claims at the structure level in areas of Dane County affected by the June 2008 flooding in Wisconsin. This project produced the reports: *“Structure Level Flood Damage Analysis: NFIP & HAZUS”*; *“Technical Procedures & Issues: Importing User Defined Facilities into HAZUS”*; *“Comparing HAZUS Flood Loss Estimates Across Hazard Identification Methods and Building Stock Inventory Data”*;
- Presented “Comparative GIS Analysis of June 2008 Flood Damages in Dane County” at UW-Madison GIS Day Expo, November 2009.
- Performed GIS analysis to compare floodplain boundaries from the National Flood Hazard Layer to topographic map data in support of specific ASFPM projects for the FEMA Appeals process.
- Produced multiple maps for reports and presentations dealing with FEMA appeals, including 3D visualizations of building locations and floodplain boundaries for Bozeman, Montana.

- Developed the “Great Lakes Coastal Oblique Photo Viewer” application, a web-based map viewer for displaying oblique photos and shoreline classification data for multiple time periods from the Wisconsin Coastal Management Program. The map viewer is constructed in HTML, CSS and Javascript using OpenLayers, GeoExt, GeoServer and PostGIS with the OpenGeo Community Suite.
- Created the website ‘*greatlakescoast.org*’ for the Great Lakes Coastal Flood Mapping Program to support outreach and publicize results from the FEMA initiated coastal analysis and storm surge study.
- Contract. Project Manager: Jeff Stone, (608) 274-0123

October 2006 to February 2007: *Proxix Solutions, Inc. - GIS Contractor*

- Field-collected metropolitan pedestrian pathways using ArcPad and GPS then validated data using ortho-imagery and existing data in ArcGIS. Formatted data to meet database and contract specifications.
- Contract expired. General Manager: Hans Dumke, (608) 828-2800

August 2003 to March 2006: *Wisconsin League of Conservation Voters - GIS Specialist*

- Created maps and geographical analyses for specific policy work in order to create a non-partisan conservation majority in the Wisconsin State Senate and Assembly. Maps were used in publications and on the internet for distribution to the public, to legislative decision makers, and within the organization for planning purposes. Worked extensively with GIS data from LTSB (Legislative Technology Services Bureau) and Wisconsin DNR (Department of Natural Resources) for map production.
- Redesigned the WLCV website including a database-driven tracking system for legislative votes on conservation issues, provided technical and GIS support to staff.
- Resigned. Executive Director: Kerry Schumann, (608) 661-0845

April 2001 to October 2002: *Wisconsin Dept. of Commerce, Brownfields Initiative - GIS Intern*

- Redesigned the Brownfields Location Information System (BLIS) into a customized ArcIMS online map-based query tool that located potential environmentally contaminated sites that were available for remediation and redevelopment. Learned GIS application development and desktop GIS skills.
- Presented “Using ArcIMS as a Template for Future Specific Application Development” at EWUG (ESRI Wisconsin Users Group) Conference, November 2001.
- BLIS named *GIS Site of the Week* at GIS.com, February 21, 2002.
- Limited Term Employment. Supervisor: Jason Scott, (608) 261-7714

Personal References and Map Portfolio:

- Personal References available by request.
- Map Portfolio available at <http://sk1consulting.com/maps/>

