

## Tom Watson

*3D Visualization Designer, SharePoint Web Expert*

### AREAS OF EXPERTISE

- 3D Visual Simulations
- Project Management Data Support
- SharePoint Expert
- Web Site Design & Implementation
- IMS Design & Management
- Graphic Design
- Digital Imaging
- Public Education Graphics

### EDUCATION

Brigham Young University:  
B.A., Economics, 1991

### PROFESSIONAL HISTORY

GeoDataScape, Owner & Web/Simulations Business Line Manager, 2003 - Present

Merrill Lynch, Asst. Vice President, Senior Financial Advisor, 1996 – 2003

United States Army, Captain, Air Defense Artillery, Patriot Missile System, 1991-1996

### REPRESENTATIVE EXPERIENCE

Mr. Watson is 3D Simulations Manager and Web Designer at GeoDataScape with 7 years' experience. His specialties include visual impact simulations design in support of permitting and NEPA efforts, web UI graphic and SharePoint database design for project data management, 3D visualization for output as stills, movie animation, or full interactive models, field data acquisition, data analysis, and integration of data from multiple sources ranging from personally gathered field data to archived historic data. He is particularly adept at data preparation for presentation and has assisted in the development of many technical documents and NEPA documents.

Project experience includes:

### VISUAL SIMULATION AND INTEGRATED SPATIAL DATA TECHNOLOGIES

- **Whistling Ridge Energy**

Visual Simulation Designer, responsible for creating and overseeing visual simulation models for the EFSEC and NEPA permit and environmental documents. These photo realistic visualizations play a critical role in communicating accurate visual impact as part of the permitting process. This high profile project received national visibility due to its proximity to a national scenic area. Currently acting as experts for public hearings and EFSEC. Project is ongoing with EFSEC permits due to be completed in 2011.

- **Middle Mountain Wind**

Visual Simulation Designer, responsible for creating and overseeing visual simulation models showing photo composite views of turbine facilities from critical viewpoints, for inclusion in permitting figures and public relations graphics. These photo realistic visualizations played a critical role in communicating alternatives and

**Project Experience Continued:**

- **Middle Mountain Wind Continued**

solutions as part of the permitting process. This high profile project received national visible due to its proximity to a national scenic area. The project was completed on time and under budget with a decision not to build.

- **Saddleback Wind**

Visual Simulation Designer, responsible for creating and overseeing visual simulation models showing photo composite views of turbine facilities from critical viewpoints, for inclusion in support of site feasibility and turbine location exercises.. These photo realistic visualizations played a critical role in communicating alternatives and solutions as part of the permitting process. Project was successful and moved into permitting phase as the Whistling Ridge Energy Project.

- **Osage Ethanol Facility**

Visual Simulation Designer, designing, modeling and rendering 3D models of two large proposed ethanol facilities, for use in public land use hearings. These photo realistic visualizations, including fly through animated cameras of one of the facility models played a critical role in communicating alternatives and solutions as part of the permitting process.

- **Riverbend Waste Management Facility**

Visual Simulation Designer, responsible for designing, modeling and rendering 3D models of solid waste management facility expansion alternatives for use in public land use hearings. These materials included 3 miles of animated approach on the highway bordering the facility, as well still renders from numerous key view points. These photo realistic visualizations played a critical role in communicating visual impacts as part of the permitting process. Delivered on schedule and on budget.

- **Newberg-Dundee Bypass**

Visual Simulation Designer, responsible for rendering 3D alternative and visual impact models for inclusion in NEPA publications and public meetings. These photo-realistic visualizations played a critical role in communicating alternatives and solutions as part of the NEPA process.

- **Bradwood Landing LNG Terminal**

Visual Simulation Designer and SharePoint project management database designer and webmaster. He was responsible for rendering 3D alternative models for inclusion in permitting figures and public relations graphics. These photo realistic visualizations played a critical role in communicating alternatives and solutions as part of the permitting process.

- **Mt. Hood Recreation Map**

Content manager, editor. Graphics and layout specialist. Produced all graphic elements and layout for a new map of winter recreation trails and sites around Mt. Hood. These maps are being sold at retail locations around the Pacific Northwest.

- **Mt. St. Helens National Volcanic Monument Recreation Map**

Content manager, editor. Graphics and layout specialist. Produced all graphic elements and layout for a new map of winter recreation trails and sites around Mt. St. Helens National

Volcanic Monument. These maps are being sold at retail locations around the Pacific Northwest.

- **Oregon Bridges Replacement Project**

IMS development project manager and lead user interface graphics designer for the ODOT Bridges Internet Mapping Site. The site, provides planners, managers and staff of all levels of agencies and private contractors involved in the bridges project, access to the spatial data, tabular data, project documents, and thousands of related photographs. Accessed via the internet. it allows the project participants to view the spatial data on multiple mapping backgrounds including aerial photos, topo maps, hillshade, and physical relief. It allows those users to select data, areas, or bridges by numerous query options and view related tabular, document, and photo data along with the spatial data.

- **Salt Lake City Power Usage**

Visual simulation specialist, responsible for modeling and rendering in 3D the Wasatch Front area showing power demand growth over time. Created animated fly-through of model for public communication of the data and presentation at the governors' conference in 2007.

- **West Eugene Parkway**

SharePoint project management database designer and webmaster, responsible for designing, implementing, and maintaining custom project team collaboration websites. These websites provide central storage of critical documents as well as a very useful tool for task collaboration and coordination between project team members.

ROW Database: Developed, maintained and updated an automated, searchable ROW database by parcel and design alternatives that contained field study valuations along with all relevant assessor data.

- **Northern Star Pipeline**

Visual Simulation Designer, responsible for modeling and rendering 3D alternative models of environmental mitigation and development sites for inclusion in permitting figures and public relations graphics.

Data management specialist, responsible for designing, implementing, and maintaining custom project team collaboration websites.

- **Seawall Site Mitigation**

Visual simulation specialist, responsible for modeling and rendering 3D perspectives and cross section figures of site for comparison of mitigation alternatives. These photo realistic visualizations played a critical role in communicating alternatives and solutions as part of the permitting process.

- **Bradwood Permits Team Collaboration**

MS SharePoint expert, designed, implemented, hosting, maintaining project team collaboration and management websites including more than 20 GB of document data, more than 20 sub sites with custom authentication protocols for different users. Sites allow project managers to easily oversee project progress and collaborate with widely scattered project team members in producing permitting documents. These sites provide many other efficiencies and benefits.