

# LAWRENCE M. DOLTON

## Media Engineer

Custom Software Applications, Audio\Video, Web Design

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510.923.0204

## ABOUT

- Creative, enthusiastic, detail-oriented, excellent oral and written communication.
- Design/build data-driven applications using JavaScript, PHP, open-source tools, ActionScript.
- Extensive background in digital mapping, geographic data, open-source map tools.
- Database design, query, and manipulation using XML, MySQL, SQL Server.
- Expert audio engineer--recording, editing, and mixing sound for film, video, web productions.
- Project management: needs analysis, time/cost estimates, development, deployment, support.
- Enjoy learning new technologies, problem solving, and designing the best solution.

## PROFESSIONAL EXPERIENCE

Principal, *ViewPoint Geography, Inc.*

Jul 1995 – Present

Focus on designing and building engaging software applications that present complex information through elegant and intuitive user interfaces. Continually expanding expertise to meet evolving challenges. Large and satisfied client base with returning customers.

Lead Engineer, *Polarity Post Production*

Mar 2003 – Mar 2005

Responsible for leading sessions with a variety of clients and producing finished audio and video products for web and broadcast mediums. Audio recording, editing, sound design, and mixing.

Manager, Custom Application Services, *Strategic Mapping, Inc.*

Sep 1992 – Jun 1995

Managed team of five programmers and project managers. Developed mapping services as revenue-generating operation. Authored stand-alone book *Techniques of Map Making*.

## RECENT PROJECTS

Interactive Google Earth Kiosk

*Oakland Museum of California*

Created a unique touch screen kiosk application for Oakland Museum's John Muir exhibit. The framework integrates HTML, JavaScript, jQuery, VBScript, and Windows 7 touch tools.

National Data-Driven Website

*National Cable Communications*

Designed web mapping system for speedy access to cable system data across US. Built with Flex and UMap, the site resides on .NET C# platform and integrates SQL Server tables.

Environmental Google Map Website

*Save The Redwoods League*

Built an engaging interactive web map to promote conservation efforts. Site is built with Flash/ActionScript, Google Maps API, a MySQL database, and custom map layers in KML.

Subway Map Flash Display

*San Francisco MUNI/NextBus, Inc.*

Designed and built a Flash/ActionScript program that continually retrieves real-time transit data from XML feed, translates locations to schematic, and displays symbols and time table.

## EDUCATION

Master of Urban Studies, Portland State University, Portland, OR  
B.A., Art and English, Lewis and Clark College, Portland, OR