

# LAWRENCE M. DOLTON

## Media Engineer

Custom Applications, Audio\Video, Web Design

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510.923.0204

## ABOUT

- Creative, enthusiastic, detail-oriented, excellent oral and written communication.
- Design and build data-driven applications using Flash/ActionScript, JavaScript, PHP, .NET/C#.
- Extensive background in GIS/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 from needs analysis, to development, to documentation and 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 web and desktop software that presents 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*.

## PROJECTS

Interactive Vacation Calculator

*TravelMuse*

Created a Flash and ActionScript web module allowing visitors to find vacation money in their existing budgets. XML data driven and uses two-way communication with calling web page.

Subway Map Flash Display

*San Francisco MUNI/NextBus, Inc.*

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

Ferry Transit Map and Schedules

*San Francisco Bay Crossings*

Flash module with Google Maps providing a single point of access to ferry schedules for multiple vendors. Data is retrieved from XML feed and formatted for quick understanding.

International Health Video Series

*Center for Digital Storytelling*

Audio editing and sound mixing for a series of Ugandan health videos for Engender Health. The videos are distributed in DVD format as well as available for viewing on the Web.

## EDUCATION

Master of Urban Studies, Portland State University, Portland, OR

B.A., Art and English, Lewis and Clark College, Portland, OR