bright rain solutions

STATEMENT OF QUALIFICATIONS

COMPANY PROFILE

Bright Rain Solutions is a Geographic Information Systems (GIS) consulting firm specializing in innovative spatial solutions providing application development and systems integration services. Clients include government agencies, non-profit organizations and private businesses.

Bright Rain Solutions is owned and operated by David Puckett. David has over 15 years of GIS experience and holds a Bachelor of Arts degree in Sociology and Geography from Colorado State University and earned GIS Certification from the University of Washington.

COMPANY CONTACT

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IMPLEMENTED TECHNOLOGIES

ArcGIS Desktop • ArcGIS Server • ArcGIS JavaScript API • JavaScript C# • Dojo

Leaflet • ArcObjects • jQuery • Google Maps • PostgreSQL\PostGIS

TileMill • MS SQL Server • Web Map Services • XML • VB.Net

Visual Basic 6.0 • Cityworks • ArcView 3.x   MapObjects • Avenue • ASP.Net

Excel • Visio • SPSS

CLIENTS AND PROJECTS

City of Seattle – Seattle Department of Transportation, Seattle, WA

- Development of several web map applications using ArcGIS Server JavaScript API including; the [Seattle Parking Map](#) designed to provide the public with real-time information regarding parking options within the City, the [Construction Coordination Map](#) application designed to provide the public with information about planned construction projects and events within the City, and an internal web map application to manage and issue street use permits within the Department.

City of Seattle – Seattle Public Utilities, Seattle, WA

- Development of a custom set of .Net tools to identify potential flood polygons within the City of Seattle based on closed contours.
- Enhancements to existing, custom GIS data editors using Visual Basic.
- Development of custom functions to convert cadastral data previously maintained as ArcInfo coverages to true curves offered in the new ArcSDE geodatabase.

Antares Group, Landover, MD

- Map interface development of a web based contract management tool that facilitates the management of contractual obligations between crop producers and biomass processors. The front end technology uses the [Leaflet mapping JavaScript library](#) to present the user with an aerial base map along with a tile layer created with TileMill and hosted with MapBox that shows critical areas and labels. The user can interact with fields, storage and access locations managed as vector graphics as well as enter and search associated tabular data. The interface interacts with a backend api exposed via the [ASP.Net MVC framework](#).

PACE Engineers, Seattle, WA

- Implemented GIS at several water and sewer utility districts including the development of custom applications in support of asset inventory with GPS, development of asset management systems using ESRI software, integration between legacy database systems and GIS, and creation of network models. Implementation of GIS based maintenance management systems.

Infrastructure Technologies, Albuquerque, NM

- Development of several commercial ArcMap extension products that extend IT pipe inspection software to integrate fully with GIS. These products are being developed using Visual Basic.Net.

Your Castle Real Estate Services, Denver, CO

- Development of a web based real estate tool that consumes the Microsoft MapPoint Web Service and calculates an estimated value along with selected statistics. This web application was developed using ASP.Net and Visual Basic.Net.

US Forest Service – Mt. Baker / Snoqualmie National Forest, WA

- Assessed dispersed recreation impact on fish populations in riparian areas. Geographic analysis included identifying high impact sites and high impact area using raster analysis. Analysis conducted with ArcGIS 8.3, Excel, and Visual Basic for Applications (VBA).

Colorado State Parks

- Instrumental in completing a comprehensive survey study. Roles included: mapping visitor distribution, data collection, data analysis and reporting. The results of which led to the publication of Colorado State Park's 1998 Visitation Study Report.
- Trail Use Distribution Study at Castlewood Canyon State Park using ArcView 3.2.

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