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.

CORE TECHNOLOGIES

Web
HTML 5 | CSS | ArcGIS JS API | Leaflet | Dojo | jQuery | JSON | REST

Coding
Javascript | C# | Python

GIS
ArcGIS Desktop | ArcGIS Server | QGIS | TileMill

Data
MS SQL Server | PostgreSQL\PostGIS

CONTACT

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CLIENTS AND PROJECTS

WA State Department of Historical Preservation, Olympia, WA
- Bright Rain is providing geospatial web application development services and consultation in support of the Washington Information System for Architectural and Archeological Record Data (WISAARD) web application that supports internal data management as well as providing external\public access to Washington States' historical preservation resources. The geospatial functionality is developed with the ArcGIS Javascript API.

Seattle City Light, Seattle, WA
- Development of a web based property rights information system with a map interface. The application provides access to current and historical property rights management by City Light as well as direct access to critical property rights documents. This application was built using the esri-leaflet Javascript mapping library.

Environmental Protection Agency (EPA), Washington, DC
- Bright Rain provides application development and consultation services to the EPA in support of mapping the results of the Clean Watersheds Needs Survey (CWNS). Services include the development of a custom web mapping application in conjunction with an application developed and hosted within the EPA GeoPlatform.

City of Seattle – Seattle Department of Transportation, Seattle, WA
- Development of several web map applications using ArcGIS 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 tile layers 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.

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.
- Trail Use Distribution Study at Castlewood Canyon State Park.

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