



Community Experience Distilled

Building Web and Mobile ArcGIS Server Applications with JavaScript

Master the ArcGIS API for JavaScript, and build exciting, custom web and mobile GIS applications with the ArcGIS Server

Eric Pimpler

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Building Web And Mobile Arcgis Server Applications With Javascript Pimpler Eric

Eric Pimpler, Mark Lewin



Building Web And Mobile Arcgis Server Applications With Javascript Pimpler Eric:

Building Web and Mobile ArcGIS Server Applications with JavaScript Eric Pimpler, 2014 An easy to follow tutorial this book uses a step by step approach with exercises designed to give you hands on experience with this technology If you are a web or mobile application developer who wants to create GIS applications in your respective platform this book is ideal for you You will need Java Script programming experience to get the most out of this book Although designed as an introductory to intermediate level book it will also be useful for more advanced developers who are new to the topic of developing applications with ArcGIS Server

Building Web and Mobile ArcGIS Server Applications with JavaScript Eric Pimpler, Mark Lewin, 2017-10-24 Master the ArcGIS API for JavaScript to build web and mobile applications using this practical guide About This Book Develop ArcGIS Server applications with JavaScript both for traditional web browsers as well as the mobile platform Make your maps informative with intuitive geographic layers user interface widgets and more Integrate ArcGIS content into your custom applications and perform analytics with the ArcGIS Online Who This Book Is For If you are a web or mobile application developer who wants to create GIS applications in your respective platform this book is ideal for you You will need Java Script programming experience to get the most out of this book Although designed as an introductory to intermediate level book it will also be useful for more advanced developers who are new to the topic of developing applications with ArcGIS Server What You Will Learn To create an application with the ArcGIS API for JavaScript Build and display a broad range of different geometry types to represent features on the map The best way to leverage a feature layer and display related attribute data The functionality of the wide range of widgets and how to use them effectively Query data to gain new insights into the information it contains Work with tasks to discover and locate features on the map Using the geocoder and associated widgets The ability of the API to provide turn by turn directions and routing capabilities How to use the Geometry Engine and Geometry Service tasks for common geoprocessing operations Integrate content on ArcGIS online and add it to your custom web mapping application In Detail The ArcGIS API for JavaScript enables you to quickly build web and mobile mapping applications that include sophisticated GIS capabilities yet are easy and intuitive for the user Aimed at both new and experienced web developers this practical guide gives you everything you need to get started with the API After a brief introduction to HTML CSS JavaScript you ll embed maps in a web page add the tiled dynamic and streaming data layers that your users will interact with and mark up the map with graphics You will learn how to quickly incorporate a broad range of useful user interface elements and GIS functionality to your application with minimal effort using prebuilt widgets As the book progresses you will discover and use the task framework to query layers with spatial and attribute criteria search for and identify features on the map geocode addresses perform network analysis and routing and add custom geoprocessing operations Along the way we cover exciting new features such as the client side geometry engine learn how to integrate content from ArcGIS com and use your new skills to build mobile web mapping applications We

conclude with a look at version 4 of the ArcGIS API for JavaScript which is being developed in parallel with version 3 x and what it means for you as a developer

Style and approach Readers will be taken through a series of exercises that will demonstrate how to efficiently build ArcGIS Server applications for the mobile and web

Mastering ArcGIS Server Development with JavaScript Ken Doman, 2015-09-18 Transform maps and raw data into full fledged web mapping applications using the power of the ArcGIS JavaScript API and JavaScript libraries

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Style and approach An in depth guide that explores web application development using ArcGIS Server and the ArcGIS JavaScript API Topics are explained in the context of developing two applications for fictional clients Details of application development including possible pitfalls and best practices are included in this book

Developing Mobile Web ArcGIS Applications Matthew Sheehan, 2015-02-27 This guide is invaluable to those just starting out with GIS development but will also benefit GIS professionals wishing to expand their development skills to include mobile apps

Programming ArcGIS with Python Cookbook Eric Pimpler, 2015-07-28 The

book kicks off with the fundamentals of starting to use Python with ArcGIS followed by recipes on managing map documents and layers including how to find and fix broken data links in these files In the second part of the book you will learn to create custom geoprocessing tools and how to use the Attribute and Location tools to select specific features The third part of the book covers topics for advanced users including the REST API and also teaches you how to use Python with ArcGIS Pro The book finishes with appendices covering how to automate Python scripts and the five things that should be at the back of every GIS programmer's mind

ArcGIS Blueprints Eric Pimpler, 2015-12-22 Explore the robust features of Python to create real world ArcGIS applications through exciting hands on projects About This Book Get to grips with the big world of Python add ins and wxPython in GUI development to implement their features in your application Integrate advanced Python libraries ArcPy mapping and data access module techniques to develop a mapping application Construct a top notch intermediate to advanced project by accessing ArcGIS Server and ArcGIS Online resources through the ArcGIS REST API using a project based approach Who This Book Is For If you have prior experience building simple apps with ArcGIS and now have a fancy for developing a more challenging and complex desktop application in ArcGIS then this book is ideal for you What You Will Learn Automate the creation of creative output data visualizations including maps charts and graphs Explore ways to use the ArcPy Mapping module and Data driven Pages to automate the creation of map books in your own project Develop applications that use the Plotly platform and library to create stunning charts and graphs that can be integrated into ArcGIS Desktop Build tools that access REST services and download data to a local geodatabase Design build and integrate advanced GUIs with wxPython and ArcGIS Desktop in ArcGIS Get clued up about constructing applications that export data to Google Earth Pro to automate time consuming complex processes Maximize the access of ArcGIS Server and ArcGIS Online using the ArcGIS REST API with Python In Detail This book is an immersive guide to take your ArcGIS Desktop application development skills to the next level It starts off by providing detailed description and examples of how to create ArcGIS Desktop Python toolboxes that will serve as containers for many of the applications that you will build We provide several practical projects that involve building a local area community map and extracting wildfire data You will then learn how to build tools that can access data from ArcGIS Server using the ArcGIS REST API Furthermore we deal with the integration of additional open source Python libraries into your applications which will help you chart and graph advanced GUI development read and write JSON CSV and XML format data sources write outputs to Google Earth Pro and more Along the way you will be introduced to advanced ArcPy Mapping and ArcPy Data Access module techniques and use data driven Pages to automate the creation of map books Finally you will learn advanced techniques to work with video and social media feeds By the end of the book you will have your own desktop application without having spent too much time learning sophisticated theory Style and approach This is an easy to follow project based guide that guides you through the whole ArcGIS theme with practical real world examples and a systematic approach

ArcGIS for Desktop Cookbook Daniela

Cristiana Docan,2015-01-22 This book is a good companion to get you quickly acquainted with everything you need to increase your productivity with the ArcGIS Desktop It would be helpful to have a bit of familiarity with basic GIS concepts If you have no previous experience with ArcGIS this book will still be helpful for you because it will help you catch up to the acquainted users from a practical point of view **ArcPy and ArcGIS - Geospatial Analysis with Python** Silas Toms,2015-02-26 If you are a GIS student or professional who needs an understanding of how to use ArcPy to reduce repetitive tasks and perform analysis faster this book is for you It is also a valuable book for Python programmers who want to understand how to automate geospatial analyses Spatial Analytics with ArcGIS Eric Pimpler,2017-04-26 Pattern Analysis and cluster mapping made easy About This Book Analyze patterns clusters and spatial relationships using ArcGIS tools Get up to speed in R programming to create custom tools for analysis Sift through tons of crime and real estate data and analyze it using the tools built in the book Who This Book Is For This book is for ArcGIS developers who want to perform complex geographic analysis through the use of spatial statistics tools including ArcGIS and R No knowledge of R is assumed What You Will Learn Get to know how to measure geographic distributions Perform clustering analysis including hot spot and outlier analysis Conduct data conversion tasks using the Utilities toolset Understand how to use the tools provided by the Mapping Clusters toolset in the Spatial Statistics Toolbox Get to grips with the basics of R for performing spatial statistical programming Create custom ArcGIS tools with R and ArcGIS Bridge Understand the application of Spatial Statistics tools and the R programming language through case studies In Detail Spatial statistics has the potential to provide insight that is not otherwise available through traditional GIS tools This book is designed to introduce you to the use of spatial statistics so you can solve complex geographic analysis The book begins by introducing you to the many spatial statistics tools available in ArcGIS You will learn how to analyze patterns map clusters and model spatial relationships with these tools Further on you will explore how to extend the spatial statistics tools currently available in ArcGIS and use the R programming language to create custom tools in ArcGIS through the ArcGIS Bridge using real world examples At the end of the book you will be presented with two exciting case studies where you will be able to practically apply all your learning to analyze and gain insights into real estate data Style and approach Filled with live examples that you can code along with this book will show you different methods and techniques to effectively analyze spatial data with ArcGIS and the R language The exciting case studies at the end will help you immediately put your learning to practice ArcPy and ArcGIS Silas Toms,Dara O'Beirne,2017-06-29 Use Python modules such as ArcPy ArcREST and the ArcGIS API for Python to automate the analysis and mapping of geospatial data About This Book Perform GIS analysis faster by automating tasks Access the spatial data contained within shapefiles and geodatabases and transform between spatial reference systems Automate the mapping of geospatial analyses and production of map books Who This Book Is For If you are a GIS student or professional who needs an understanding of how to use ArcPy to reduce repetitive tasks and perform analysis faster this book is for you It is also a

valuable book for Python programmers who want to understand how to automate geospatial analyses and implement ArcGIS Online data management What You Will Learn Understand how to integrate Python into ArcGIS and make GIS analysis faster and easier Create Python script using ArcGIS ModelBuilder Learn to use ArcGIS online feature services and the basics of the ArcGIS REST API Understand the unique Python environment that is new with ArcGIS Pro Learn about the new ArcGIS Python API and how to use Anaconda and Jupyter with it Learn to control ArcGIS Enterprise using ArcPy In Detail ArcGIS allows for complex analyses of geographic information The ArcPy module is used to script these ArcGIS analyses providing a productive way to perform geo analyses and automate map production The second edition of the book focuses on new Python tools such as the ArcGIS API for Python Using Python this book will guide you from basic Python scripting to advanced ArcPy script tools This book starts off with setting up your Python environment for ArcGIS automation Then you will learn how to output maps using ArcPy in MXD and update feature class in a geodatabase using arcpy and ArcGIS Online Next you will be introduced to ArcREST library followed by examples on querying updating and manipulating ArcGIS Online feature services Further you will be enabling your scripts in the browser and directly interacting with ArcGIS Online using Jupyter notebook Finally you can learn ways to use of ArcPy to control ArcGIS Enterprise and explore topics on deployments data quality assurances data updates version control and editing safeguards By the end of the book you will be equipped with the knowledge required to create automated analysis with administration reducing the time consuming nature of GIS Style and approach The book takes a pragmatic approach showing ways to automate repetitive tasks and utilizing features of ArcPy with ArcGIS Pro and ArcGIS online

Unveiling the Magic of Words: A Review of "**Building Web And Mobile Arcgis Server Applications With Javascript Pimpler Eric**"

In a world defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their power to kindle emotions, provoke contemplation, and ignite transformative change is truly awe-inspiring. Enter the realm of "**Building Web And Mobile Arcgis Server Applications With Javascript Pimpler Eric**," a mesmerizing literary masterpiece penned by way of a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve in to the book is central themes, examine its distinctive writing style, and assess its profound affect the souls of its readers.

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