

# **Michael Arreguin**

Geospatial Information Systems Professional

## **PROFILE**

GIS professional with experience administrating Enterprise GIS solutions, completing complex geospatial projects within budgeted timeframes, acting as a liaison between GIS and non-GIS teams, and constantly staying abreast of new innovation within the GIS industry.

## **EXPERIENCE**

### **Senior GIS Consultant, G2 Integrated Solutions, Sacramento/Remote, CA — 2021 - Present**

Manage large data sets within ArcGIS Online, develop reports (general & custom), and provide an assortment metrics using GIS spatial analysis methods, ArcGIS models, and BI software (Esri Dashboarding platforms, PowerBI, etc). Work with internal, client and agency stakeholders on developing data collection methods and online mapping products within ArcGIS Online. Automate the upload, download, and transfer data from mobile data collection devices and post processing data (using existing ArcGIS models, Python scripts, etc.) from ArcGIS online to Enterprise data stores.

### **GIS and Data Management Specialist, Recology, Sacramento/Remote, CA — 2019 - 2021**

Optimize truck routes for operational efficiency. Use Routesmart and Esri software to perform reroute analysis and automate nightly routing for early morning routes via Python and VBScript. Guide non-corporate GIS specialist on specialized projects. Specialized projects include mobile data collection, raster analysis, mapping requests, web mapping, and customized scripts for automation. Conduct GIS trainings within other departments. Administer the organization's ArcGIS Online account.

### **GIS Analyst/Programmer, Computer Task Group/'Avenu' Insights Analytics, Fairfield, CA — 2018 - 2019**

Perform complex geospatial analysis for the DA, engineering department, and environmental resources department as a contractor for the County of Solano. Create scripts for automating mapping tasks. Create display maps using ArcMap, ArcPro, and Adobe Illustrator. Convert existing geospatial layers to the Local Government Information Model schema, and update parcel layer using the parcel fabric Esri model. Create web maps for internal and external use.

### **GIS Technician, County of Tuolumne, Sonora, CA — 2017 - 2018**

Perform geospatial database updates for key layers used by several county divisions. Update and create feature datasets. Maintain and create public-facing and internal web maps using ArcGIS Online and Portal for ArcGIS. Write Python and VBA scripts to

create ArcGIS for Desktop tools to automate tasks for other departments. Update cadastral parcel layers. Work closely with Tree Mortality and Fire to track dead trees as they relate to infrastructure and fire threat, and create visuals to present findings.

**Jr. Data Analyst, VSOLVIT, Sonora, CA — 2016 - 2017**

Develop technical training. Test software applications in development for enterprise GIS solutions. Work closely with the QA team and development team to find bugs in VSolvit applications. Develop scripts to automate testing.

**Specialist, Apple, Santa Barbara, CA — 2011 - 2013**

Sales of Apple products & third party retailers sold in the Apple store. Orchestrate training workshops on apple products & software. Ensure high customer satisfaction by tactfully approaching, questioning, positioning, listening, & presenting a complete solution for customers & small businesses.

**EDUCATION**

University of Wisconsin at Madison, Madison, WI — Master of Science in GIS (programming emphasis), 2016-2020

University of California at Santa Barbara, Santa Barbara, CA - Bachelor of Arts in Anthropology, 2012 - 2014

**SKILLS**

ArcMap (latest), ArcPro, ArcGIS Enterprise, QGIS, SQL, Python Scripting, HTML, CSS, JavaScript, Arcpy, Cartographic Design, LiDAR analysis, Mapbox GL JS, Leaflet, Route Optimization, Routesmart, Terrain Mapping, Raster Analysis, Database Design, Adobe Creative Suite, GDAL, OGR, General Tech Support, Customer Service, QA Testing

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