

Carl A. Sorenson

3060 University Avenue, San Diego, Ca 92104
(858) 381-0447
carl@sdgis.com

Qualifications and Objective

To leverage my technical and managerial skillsets in Geographic Information Systems and cloud computing to overcome clients' problems through actionable results and clear cartographic representations for of large prime contractors working on municipal projects.

Employment History

June 2016- Current/ Evari GIS Consulting/ GIS Administrator

- ☛ Management of Amazon Web Services cloud infrastructure network, including Elastic Compute Cloud (EC2) servers, Amazon Workspaces within a Virtual Private Cloud (VPC). Alliance Manager for AWS Business Partner Program.
- ☛ Regularly develop and support static and interactive web/mobile maps using ArcGIS Server, SqlServer, ArcGIS Javascript API on Microsoft Servers to help streamline priorities on construction projects.
- ☛ Pacific Gas and Electric Enterprise System deployment: Technical lead on deployment of enterprise solution to support the inventory installation of streetlights within PG&E territory. Responsible for managing multiple servers in the Amazon cloud which are running SQL Server and ArcGIS for Server.
- ☛ ArcGIS For Server Administrator: Publish services and manage users and roles for multiple clients and projects.

June 2014- May 2016/ Evari GIS Consulting/ GIS Analyst-Project Manager

- ☛ PG&E Streetlight Inventories: Project Manager and technical lead on streetlight inventories in Chico, Marysville and Merced, California. Worked with PG&E analysts to learn data submission requirements and develop a
- ☛ Tucson, Arizona: Configured system to facilitate the auditing of 23,000 streetlights, created web maps for Ameresco staff to edit the data and make determinations about new fixtures, based on factors related to RP-8 compliance
- ☛ Technical Lead and Project Manager of \$300,000 project to audit street lights across 4 islands for the Hawaii DOT as subcontractor to Johnson Controls Lighting Services. Set up ArcGIS Server on AWS platform, hired and trained independent contractors, organized materials and logistics, executed traffic safety plan, quality control, and met regularly with municipal and prime client
- ☛ University City: Created figures for the community plan transportation element update, subcontractor to Kimley Horn
- ☛ Western Riverside Council of Governments: Created streetlight audit application for Southern Contracting to use to audit over 56,000 streetlights in 16 cities in Riverside County

August 2013- May 2014/ Evari GIS Consulting/ GIS Field Technician

- ☛ Yonkers, New York: Night time Investment Grade Audit of over 12,000 streetlights using
- ☛ Investment Grade Audit for 18,000 fixtures for the Cape Light Compact across 28 towns and fire districts.

Education and Certifications

ESRI: Deploying and Maintaining A Multiuser Geodatabase Mar 2016

ESRI: Do It Yourself Geo Apps Course Feb 2016

Amazon Web Services: TCO and Cloud Economics Accreditation February 2014

Implementing Energy Efficiency Projects Jan 2015

Amazon Web Services: Business Professional Accreditation November 2014

Amazon Web Services: Technical Professional Accreditation July 2014

Arizona State University Tempe, AZ Graduated 2013
Bachelor of Science, Geography. Degree includes Certificate in Geographic Information Systems.

University of Glasgow Glasgow, Scotland Spring 2012-
Semester abroad

Contributions to the GIS Profession

- ☛ Member of URISA Southern California chapter, Amazon Partner Network, ESRI business partner (Silver), San Diego AWS User Group, San Diego

Regional GIS Council, TALQ Consortium, Illuminating Engineering Society

- ☛ Presented at the San Diego AWS User Group: Configuring an Enterprise GIS within the Amazon Cloud **11/17/2015**
- ☛ Presented at EnerGIS Conference: Mobile GIS for Streetlight Conversions and Audits **5/18/2015**
- ☛ Participating in ESRI Web App Builder beta program using ArcGIS JavaScript API
- ☛ Attended Esri International User Conference **2014, 2015**

Technical Skills and Interests

ESRI ArcGIS desktop, ArcGIS Server, ArcGIS Javascript API, QGIS, HTML 5, CSS 3, Amazon Web Services, and all common office software

- ☛ Streamlining AEC workflows through the use of web and mobile GIS technologies.
- ☛ Leveraging the Esri Technology Stack (ArcGIS) on behalf of prime contractors.
- ☛ Managing project specific enterprise-tier virtual Information Technology infrastructure for clients