

ADAM BARKER

GIS Analyst | Enterprise GIS Support & Spatial Analysis

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SUMMARY

GIS professional with hands-on experience in ArcGIS Pro, ArcGIS Online, and ArcGIS Enterprise (Portal/Server), backed by 20 years in IT infrastructure and systems administration supporting end users and multiple departments. Recently completed the Enterprise GIS Certificate through SDSU Global Campus, delivered in partnership with Bootcamp GIS, including an independent capstone project modeling wildfire risk across San Diego County. Skilled at creating and maintaining accurate GIS data, producing maps and dashboards, and providing responsive, customer-focused GIS support across an organization. Based in Valley Center, in San Diego County.

CORE SKILLS

GIS & Esri Platform: ArcGIS Pro, ArcGIS Online, ArcGIS Enterprise (Portal/Server), ArcGIS Field Maps, Survey123, Experience Builder, Dashboards, ModelBuilder, QGIS, geodatabase administration

Data & Analysis: Spatial analysis and geoprocessing, data creation/editing/conversion, quality assurance and quality control, cartographic design and map production, metadata and data standards documentation

Systems & Support: Relational databases (SQL Server), Python (in progress), Windows and Linux administration, technical support and end user training, Microsoft 365

Work Style: Customer focused service across departments, cross functional collaboration, clear technical communication, priority and deadline management, independent and team based project execution

SELECTED GIS PROJECTS

San Diego County Wildfire Risk Assessment | Capstone Project

[adam-barker.com](#)

- Modeled wildfire risk across San Diego County in ArcGIS Pro using CAL FIRE historical fire perimeters, LANDFIRE fuel data, and Sentinel-2 imagery; performed raster analysis, change detection, and QA/QC, then published results to ArcGIS Online with an Experience Builder app.

Capital Improvement Planning Dashboard | Castle Rock, CO

[adam-barker.com](#)

- Built a field to dashboard workflow using Survey123 and ArcGIS Field Maps for mobile infrastructure condition data collection, integrated into ArcGIS Online and visualized through a real time Experience Builder dashboard.

Residential Infill Potential Analysis | Clark County, NV

[adam-barker.com/urban-infill.html](#)

- Automated an ArcGIS Pro / ModelBuilder workflow integrating parcel, zoning, dwelling unit, and U.S. Census data; applied spatial join, erase, and overlay techniques to identify infill opportunity areas, then published findings as a narrative StoryMap.

PROFESSIONAL EXPERIENCE

GIS Analyst & IT Specialist | Eurowind Energy US Development, San Diego, CA

Jul 2024 to Sep 2025

- Produced maps and spatial analyses in ArcGIS Pro for wind energy development projects, integrating parcel and land data from multiple external and public sources into accurate map products; published web maps and interactive web applications to communicate results to internal teams and external partners.
- Reviewed data from outside organizations for accuracy and completeness, reconciling discrepancies across source datasets to maintain error free deliverables.
- Administered the organization's Esri environment, including licensing, member management, and sharing permissions across ArcGIS Enterprise and ArcGIS Online.
- Served as the sole IT Specialist for the U.S. office, providing end user support, training, and technical troubleshooting across departments.

Lead IT Specialist / Systems Administrator | TuSimple, Inc., San Diego, CA

Apr 2019 to Feb 2024

- Administered a large Windows, Linux, and VMware environment supporting engineering and operations staff across multiple office locations.
- Led a distributed team of IT specialists; hired, trained, and onboarded more than 60 interns within a two week period.

Systems Administrator / IT Manager | Enviance, Inc., Carlsbad, CA

Jan 2007 to Jan 2019

- Maintained 24/7 uptime for an IIS hosted SaaS environment, responsible for servers, networking, and storage across production, staging, QA, and corporate environments.
- Administered SQL Server backed production systems and relational databases; progressed from Desktop Support Technician to Systems Administrator to IT Manager over twelve years.

EDUCATION & CERTIFICATION

Enterprise GIS Certificate, Geographic Information Systems

SDSU Global Campus, in partnership with Bootcamp GIS, San Diego, CA. Completed September 4, 2026.

- Coursework in ArcGIS Pro, Enterprise administration, spatial analysis, GPS/field data collection, and web GIS development. Attended the 2026 Esri User Conference, San Diego.
- U.S. Marine Corps veteran, Aviation Radio Repairer, 1997 to 2002. Valid California Class C Driver's License.