Yaneth Castillo, GISP

GIS ANALYST · WEB GIS · SPATIAL RESEARCH · GIS SYSTEMS

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GIS Analyst and GISP who translates complex spatial records, engineering data, legal descriptions, and publishing dependencies into dependable maps and web GIS tools. Experienced in deed research, cartography, ArcGIS Online and Experience Builder, configuration-driven web GIS, documentation, and technical troubleshooting. Growing toward enterprise GIS and systems ownership with clear communication for technical, client, and public audiences.

PROFESSIONAL EXPERIENCE

GIS Analyst | LJA Engineering · Dallas, TX — Jan 2024–Present

- Deliver GIS solutions across transportation, utilities, land development, municipal planning, and regulatory projects, translating complex spatial requirements into reliable datasets, interactive applications, and client-facing deliverables.
- Reconstruct and validate complex legal boundaries from survey documentation, including a 224.109-acre tract defined by 109 metes-and-bounds courses, identifying a 0.65-acre discrepancy in reference data.
- Configure and enhance a public-facing Web GIS platform supporting 133 spatial layers, maintaining separate aerial and street-map configurations with structured layer hierarchies, interactive legends, and visibility controls.
- Develop and maintain ArcGIS Online and Experience Builder applications, incorporating hosted feature services, vector tile layers, Arcade expressions, and access controls to support internal and public-facing workflows.
- Create client-facing cartographic exhibits that synthesize municipal boundaries, precincts, ETJs, transportation, airports, channels, and imagery into clear visual narratives.
- Integrate and troubleshoot municipal infrastructure datasets within enterprise GIS environments, resolving schema incompatibilities, field mapping requirements, coded-value domains, and versioned geodatabase constraints.

GIS Analyst | Landpoint · Fort Worth, TX — Oct 2022–Jan 2024

- Developed and improved processes for data collection, integration, quality control, and database updates across GIS production workflows.
- Worked with GIS users to define needs, assess project requirements, develop conceptual designs, and plan application implementation.
- Produced spatial analyses, geospatial data, cartographic deliverables, metadata, workflow documentation, and data-conversion specifications.

GIS Analyst Intern | Halff · Richardson, TX — Mar 2022–Sep 2022

- Created and edited geospatial data, static maps, and published web maps using spatial analysis, LiDAR, and terrain datasets.
- Applied data-mining techniques to support machine-learning model training and assisted with data reporting, review, and technical documentation.

Geosciences Intern | Fort Hays State University · Hays, KS — Jan 2022–Apr 2022

- Used GPS and ArcGIS methods for landfill volumetric analysis and supported research into salt dissolution, subsidence, and seismic-reflection patterns.

EDUCATION & CREDENTIALS

Bachelor of Science in Geosciences · Minor in Geography · Fort Hays State University

GIS Professional (GISP) · GIS Certification Institute · August 2026

Additional credential: Leadership Studies Certificate, Fort Hays State University

TECHNICAL CAPABILITIES

Web GIS & publishing: ArcGIS Online, Experience Builder, Survey123, Dashboards, StoryMaps, hosted feature layers, vector tiles, Arcade, permissions and sharing

Spatial production: ArcGIS Pro, geodatabases, spatial analysis, cartography, remote sensing, LiDAR and terrain, legal descriptions and metes-and-bounds

Configuration & data: JSON configuration, Sanity, Azure Blob Storage, Python, SQL, FME, AutoCAD, data conversion, metadata and workflow documentation

Web development: React, TypeScript, CSS, SVG; component-level editing, interaction prototyping, troubleshooting, and maintenance with AI-assisted development

Languages: **Spanish** — fluent/bilingual · **French** — proficient