Gavin Leavitt

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Technical Skills

- **GIS:** ArcMap, ArcGIS Pro, ArcGIS Online, ArcGIS for Server, QGIS
- **Scripting/Automation:** Python, ArcPy, Pandas, ArcGIS API for Python, ArcGIS Arcade
- **Database Management:** Microsoft Access, PostgreSQL/PostGIS, pgAdmin, SQLAlchemy
- **Website Development:** HTML, CSS, JavaScript, ArcGIS JS API, ArcGIS Experience Builder
- **UAV Operator:** Part 107 Certified Remote Commercial Pilot
- **Document Preparation/Collaboration:** Microsoft Office Products, Office365, GitHub

Professional Experience

GIS Analyst—ZWORLD GIS   *December 2020 – Present*

- Managed GIS development, ArcGIS Online organizations, map generation, online map applications, and data collection needs for local governments, public utilities, and pubic safety agencies
- Located and field inventoried public utility assets, including stormwater, water distribution, sewer, and street signage, using high precision GPS receivers and mobile data collection applications
- Digitized underground network assets and utility easements using Coordinate Geometry (COGO) techniques following engineering plans, survey plans, and legal descriptions
- Optimized staff time dedicated to handling field and routine data updates by developing Python geoprocessing scripts to automate data and file processing workflows
- Developed and quality reviewed street centerlines dataset for use in the future Santa Barbara County Fire Department 911 dispatch system using Python scripts, ArcGIS Data Reviewer, and Attribute Rules to ensure data compliance
- Developed and maintained ArcGIS Online Hosted Feature Layers, Web Maps, and Offline maps for use by the Montecito Fire District in the Tablet Command application

GIS Technician—City of Salinas   *January 2017 – July 2020*

- Fulfilled public, commercial, and internal city staff requests for spatial data, maps, and web applications using a variety of formats including shapefiles, KMLs, file and enterprise geodatabases, SQL and ArcSDE databases, CAD DWG files, and tabular datasets
- Improved the city's sanitary sewer and storm drain system GIS datasets using historic engineering plans
- Published ArcGIS for Server WFS, WMS, Geoprocessing Services, and Feature Services for full public access
- Developed Esri Web Maps, Applications, and Operations Dashboards to improve employee workflows, asset management, incident response, and project tracking
- Deployed a web application for estimating affected areas and spill volumes for sanitary sewer gravity main breaks

Education   *August 2015 – August 2017*

California State University, Monterey Bay
M.S. Applied Marine and Watershed Science