

Gavin Leavitt

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Technical Skills

- **GIS:** ArcMap, ArcGIS Pro, ArcGIS Online, ArcGIS for Server, QGIS
- **Scripting/Automation/Statistics:** Python, ArcPy, R
- **Database Management:** SQL, PostgreSQL/PostGIS, SQLAlchemy ORM
- **Website Development:** HTML, CSS, JavaScript, Python Flask
- **UAV Operator:** Part 107 Certified Remote Commercial Pilot

Professional Experience

GIS Technician

City of Salinas

Jan 2017 – July 2020

- Handled city employee, contractor, and public 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
- Built out the city's sanitary sewer and storm drain system GIS datasets using historic engineering plans
- Published and consumed ArcGIS for Server WFS, WMS, Geoprocessing Services, and Feature Services
- Built Esri Web Maps, Applications, and Operations Dashboards to improve employee workflows, asset management, incident response, and project tracking
- Developed and deployed a web application for estimating affected areas and spill volumes for sanitary sewer gravity main breaks

Research Assistant

Monterey Bay Aquarium Research Institute (MBARI)

Jun – November 2016

- Processed all marine benthic sediment samples collected during a deep sea ecology research project
- Identified and sorted marine organisms suspended within marine sediment by broad taxonomic groupings for further species level identification
- Practiced safe lab procedures to dye samples stored within ethanol and formaldehyde

Student Research Assistant

CSU Monterey Bay Seafloor Mapping Lab

October 2015 – August 2016

- Generated clean bathymetric data products for California state agencies and university researchers
- Collected and processed data for shallow areas within the San Francisco Bay estuary as part of the California Seafloor Mapping Program
- Acted as deckhand and hydrographic assistant during field data collection onboard small research vessels
- Operated and maintained data collection equipment and logs
- Assisted in general maintenance of research vessels and equipment
- Mapped and measured seasonal variability of coastal dunes using handheld Trimble GPS units

Education

California State University Monterey Bay

2015 – August 2017

M.S. Applied Marine and Watershed Science