

Eduardo Perez

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PORTFOLIO

<https://eddie-prz.github.io/portfolio/>

EXPERIENCE

GIS Specialist, ESE Partners LLC

Houston, Texas — November 2017- Present

Currently managing the company's GIS department. As an environmental consulting firm we provide GIS services to our clients; GIS database design and management, digitizing historical imagery, and developing a series of automated maps required for environmental reports.

- Automate role by developing Python scripts using ArcPy to produce the required report maps, extract text from PDFs for the reports, manage geodatabase tables, and custom ArcMap add-ins(tools) to export to specific job folders
- Create, deploy, and maintain file geodatabases and MS SQL databases, map templates
- Manage a team of two by distributing billable hours to meet client deadlines
- Georeference and digitize surveys, Sanborn maps, and imagery to identify site boundaries and features
- Acquire public/private data to reduce base costs and provide services; e.g. Lidar, DEM, Imagery, oil and gas, and county parcels
- Develop and maintain several Power BI dashboards to help business units oversee projects
- Fly drone using PIX4Dcapture and produce orthomosaics with PIX4Dcloud

GIS Intern, SSC Service Solutions

College Station, Texas — January 2016- October 2017

Introduced GIS to the company by creating an ArcGIS web map displaying spatial trends in the work order system. As a second project GPS coordinates were collected for 800 trash cans using a Topcon GNSS unit for the purpose of creating better routes and positioning.

- Collected in field points and managed a geodatabase of trash cans to be displayed on a web map
- Developed an ArcGIS web map interface to monitor trends in work orders throughout campus
- Utilized ArcGIS Server/Portal, HTML/CSS and the ArcGIS Javascript API

EDUCATION

Bachelor of Science, Geographic Information Science (GIS)

Texas A&M University at College Station — May 2017

SKILLS, KNOWLEDGE, INTERESTS

- Professional experience working with ESRI ArcGIS specifically: ArcMap 10.8, ArcPy Python package, Spatial Analyst (Hydrology, Raster, Distance), ArcGIS Pro 2.8, ArcGIS Online (Dashboards, StoryMaps, Web App Builder)
- Python 3 (Pandas, Arcpy, py2pdf)
- FAA Remote Pilot Certificate (Drone Pilot) - Flying DJI Mavic 2 Pro
- QGIS - Mostly to use open source tools that ArcGIS lacks
- Microsoft SQL Server - Transforming Excel files of soil sampling data for use with Spatial Analyst
- PIX4Dcloud - Used for orthomosaics, contour lines, and volume
- Power BI and ArcGIS for PowerBI
- GPS Data Collection - Topcon GNSS Unit and Garmin Unit
- Hobbyist Photographer