

# Eduardo Perez

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Relocating to Austin (Early April)  
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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 ESE Partners' 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 database tables, and custom ArcMap add-ins(tools) to export data or maps into specific formats and locations in our server
- Create, deploy, and maintain file geodatabases and MS SQL databases, map templates
- Manage a GIS Technician by appropriately disturbing our weekly average 30 active projects
- 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 multiple Power BI dashboards to help business units visualize active projects, costs, and deadlines
- Fly drone using PIX4Dcapture and produce orthomosaics, contour lines, and volume with PIX4Dcloud
- Transforming Excel files (SSIS) of soil sampling data for use in ArcPro. Created script that populates table onto layout with specific formatting. Table view is also used for Spatial Analyst interpolation

### **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

- 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

- Experienced working with GIS software specifically:  
ArcGIS Pro 2.8, ArcMap 10.8, ArcPy Python package, Spatial Analyst (Hydrology, Raster, Distance), ArcGIS Online (Dashboards, StoryMaps, Web App Builder), QGIS (mostly for open source tools)
- Python 3 (Pandas, Arcpy, py2pdf), Microsoft SQL Server
- Power BI, Power Automate, and ArcGIS for PowerBI
- FAA Remote Pilot Certificate (Drone Pilot) - Flying DJI Mavic 2 Pro
- GPS Data Collection - Topcon GNSS Unit and Garmin Unit
- Hobbyist Photographer