Paula Jones

Experienced geospatial specialist with a focus on data wrangling, spatial analysis, and web development.

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Relevant Experience

Tax Map Technician · Erie County Department of Real Property Tax Services 07/2023 - Present

- Interpret descriptions of property conveyance from deeds and perform edits to the County tax map in an SDE geodatabase.
- Spearhead department's transition from ArcMap to ArcGIS Pro.
- Wrote a series of Excel macros and batch scripts to automate and enhance a vital workflow for receiving digital documents and distributing them to other departments via FTP server.

GIS Specialist · GISpatial, LLC 02/2019 - 08/2020; 04/2022 - 07/2023

- Utilized tax parcels and PLSS legal descriptions to perform deed plotting and create land ownership maps for pipeline energy projects in Texas and New Mexico.
- Developed a set of ArcPy geoprocessing tools and Python web scrapers to automate repetitive data collection and mapping tasks.

Land Survey Instrument Operator · Steve A. Carver Land Survey Services 07/2022 - 07/2023

- Operate total station for residential boundary surveys.
- Perform property research utilizing deeds and tax maps.

GIS Specialist · CartoLab LLC 08/2020 - 04/2022

- Produced, published, and administered GIS content, services, and apps using ArcGIS products (e.g. AGOL, Survey123, Field Maps, Hub Sites) for a wide range of clients in the public and private sectors.
- Executed ETL pipelines and performed QA/QC on data stored in PostgreSQL databases using FME and Python.
- Developed components for Mapbox GL JS web mapping projects, utilized third-party APIs and GitHub version control, and wrote front-end automated tests using Cypress.
- Authored end-user documentation and assisted clients with best practices for systems such as AWS, AGOL, and ArcGIS Enterprise.

GIS Analyst · Texas Department of Transportation 01/2018 - 10/2018

- Created and verified route and event data in ArcGIS and other linear referencing applications.
- Utilized SQL and Python scripting to compile data for state and federal reports.

Skills

Esri Software
ArcGIS Pro, ArcMap, Enterprise, Online, Survey123, Field Maps, Web AppBuilder, Experience Builder, Hub Sites

Programming Languages
SQL, Python, JavaScript, HTML, CSS, R

Tools & Platforms
Git, GitHub, PostgreSQL, PostGIS, GDAL, SQL Server, Excel, QGIS, FME, Adobe Illustrator, Amazon Web Services, Netlify, Visual Studio

Education

MS Geography
Texas State University

BA Geography
BA Urban & Regional Planning
SUNY Buffalo State University

Undergraduate coursework in Civil Engineering
University at Buffalo

Transportation Planning Intern · Alliance Transportation Group 09/2017 - 12/2017

- Acquired and analyzed land use, economic, demographic, and traffic data.
- Created maps and graphics for technical planning reports using ArcGIS Pro and Adobe Illustrator.

Graduate Teaching Assistant · Texas State University 08/2016 - 12/2017

- Facilitated lab sessions and taught the fundamentals of GIS using ArcMap and cartography using Adobe Illustrator for two undergraduate geography courses.

Research Assistant · Center for Health & Social Research, SUNY Buffalo State 09/2015 - 01/2017

- Performed mapmaking and analysis for research support and policy reports utilizing Census, health, and crime data.
- Contributed to web mapping development using ArcGIS Online and ArcGIS JavaScript API, including the The Point and Erie County Risk Indicator Database applications.

GIS Intern · Erie County Department of Environment & Planning 07/2013 - 09/2015

- Collected stormwater infrastructure data using a Trimble GPS unit.
- Digitized stormwater conveyance features, performed QC on field-collected data, and designed map layouts in ArcMap.