

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 07/2023 - Present
Buffalo, NY

- 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.

Land Survey Instrument Operator · Steve A. Carver Land Survey Services
07/2022 - 07/2023
North Tonawanda, NY

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

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

- 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 Specialist · GISpatial, LLC 02/2019 - 08/2020
Remote

- 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.

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

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

Austin, TX

- 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.

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

Austin, TX

- 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

San Marcos, TX

- 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

Buffalo, NY

- Performed mapmaking and statistical analysis for policy reports utilizing Census, health, and crime data.
- Developed web mapping applications using ArcGIS JavaScript API.

GIS Intern · Erie County 07/2013 - 09/2015

Buffalo, NY

- 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.