

Maxx Millstein

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GIS Analyst | Geospatial Developer**SUMMARY**

Results-driven GIS Analyst & Developer with 5+ years of experience in geospatial data processing, workflow automation, and web mapping. Expert in ArcGIS, QGIS, Python, and PostGIS, with a proven record of leading teams to deliver high-quality spatial data products. Seeking to leverage technical and analytical skills in a GIS Analyst or Geospatial Developer role.

EDUCATION**Indiana University, College of Arts & Sciences – Bloomington, IN**

B.A. in Geography, Specialization in GIS, December 2018

GPA: 3.2/4.0

Relevant Coursework: Spatial Analysis, Cartography, Remote Sensing, GIS Applications

SKILLS**GIS & Mapping:**

ArcGIS, QGIS, PostGIS, ArcPy, OpenStreetMap (OSM), Spatial Data Conflation

Programming & Automation:

Python, SQL, GDAL, Data Cleaning, Workflow Automation

Web Mapping:

Leaflet, OpenLayers, UI/UX Debugging, Git

Quality & Leadership:

QA/QC, Team Mentorship, Project Guidance, Efficiency Optimization

PROFESSIONAL EXPERIENCE**CACI International Inc. – St. Louis, MO**

GIS Analyst – Quality Assurance April 2021 – Present

- Managed and conflated large spatial datasets (OSM, AAFIF, DVOF, Geonames) using ArcGIS and Python.
- Automated QA workflows using ArcPy/Batchfiles to clean data/flag errors.
- Provided technical mentorship and onboarding for new team members, identified knowledge gaps/team successes for project managers..
- Ensured deliverables met/exceeded customer expectations and adhered to project-specific guidance.

GIS Analyst – Technician May 2019 – April 2021

- Digitized high-accuracy vector data using the ArcGIS suite.
- Adapted to custom tools and workflows while ensuring compliance with project specifications.
- Maintained consistent top-tier efficiency and quality metrics.
- Collaborated with teammates to resolve GIS data and software challenges.

Strayos – St. Louis, MO

GIS Intern May 2017 – August 2017

- Supported development teams in enhancing GIS functionality.
- Reported UI/UX issues using browser Developer Tools for performance tuning.
- Evaluated open-source GIS tools (Leaflet, OpenLayers, GDAL, QGIS) to optimize workflows.

TECHNICAL PROJECTS

Automated OSM Data Pipeline

- Developed Python scripts to automate downloading, cleaning, and importing OpenStreetMap (OSM) data into a PostGIS database. Implemented geometry fixes and attribute normalization to streamline integration into web maps and analysis platforms.

Glacier National Park Trails Finder

- Web map utilizing OSM data/Leaflet/React to display trails in Glacier National Park. Inspired by Alltrails, demonstrates ability to build functional interactive spatial data visualizations with clean user interface.

STL311 Service Requests Map

- Web map using data from the STL311 service requests API downloaded as JSON and converted to GeoJSON to render in leaflet map. Displays information about the service requests to emulate professional application of ETL pipeline.