

Milo Johnston

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SUMMARY

GIS leader with 11 years of progressive experience building, administering, and improving enterprise geospatial environments for municipal and public service operations. Leads teams, vendors, budgets, **data governance**, applications, and integrations that keep authoritative spatial information reliable and useful. Hands on work spans ArcGIS Pro, ArcGIS Desktop, ArcGIS Server, ArcGIS Online, Utility Networks, Arc Info, **Python scripting**, geoprocessing, relational databases, **versioned enterprise geodatabases**, and **complex spatial analysis**. Career work includes cadastral, planimetric, hydrographic, transportation, land use, and environmental data, plus legacy conversion, public mapping, emergency GIS support, 911 CAD integration, and permitting systems. Supervisory experience, clear communication, and practical project leadership support effective coordination across departments, agencies, vendors, and public service teams.

EXPERIENCE

GIS Program Manager

January 2022 - Present

Connecticut Valley Geospatial Collaborative

New Haven, CT

Leads an eight person GIS team supporting enterprise mapping, authoritative data stewardship, applications, emergency operations, integrations, vendors, and municipal service delivery.

- Directed enterprise GIS operations across mapping, spatial analysis, **applications**, and authoritative data stewardship.
- Established versioned geodatabase standards for metadata, editing, quality control, and publication workflows.
- Modernized **ArcGIS Server** and **ArcGIS Online** services, expanding ArcGIS Pro workflows for staff and public resources.
- Coordinated 911 CAD and permitting **integrations** through schema design, testing, and change controls.
- Managed RFPs, vendors, **operating budgets**, and **capital budgets** for imagery and specialized datasets.
- Directed emergency GIS support with authoritative data, rapid map production, and operational information exchange.

Senior Enterprise GIS Analyst

July 2018 - December 2021

Shoreline Municipal Technology Consortium

Norwalk, CT

Administered enterprise spatial databases and services while leading migration, automation, partner data exchange, **staff** mentoring, and complex analysis across regional programs.

- Administered cadastral, **planimetric**, **hydrographic**, transportation, and land use data in versioned geodatabases.
- Built Python scripts and **geoprocessing models** for validation, conversion, publishing, and review controls.
- Led legacy spatial migration, resolving coordinate, schema, geometry, and attribute inconsistencies.
- Published ArcGIS Online resources and ArcGIS Server services with appropriate access controls.
- Coordinated data exchanges with state and regional partners, reconciling formats, standards, and update cycles.
- Mentored analysts through upgrades, database maintenance, **user training**, and **complex spatial analysis**.

GIS Project Lead

June 2015 - June 2018

Metro Mapping Solutions

Hartford, CT

Led parcel, planimetric, web mapping, integration, analysis, quality control, vendor, and training projects from requirements through acceptance.

- Led parcel, **planimetric**, web mapping, and integration projects from requirements through acceptance.
- Configured ArcGIS Desktop, **ArcGIS Server**, and relational database workflows for editing and publication.
- Produced spatial analysis supporting **planning**, zoning, infrastructure, and service delivery decisions.
- Created quality control routines for topology, geometry, attributes, and mapping standards.
- Prepared technical scopes and coordinated third party data and application vendors.
- Trained planners and technicians on map production, querying, editing, and web GIS access.

GIS Analyst

June 2013 - May 2015

Capitol Region Planning Studio

Hartford, CT

Maintained regional planning datasets and delivered analysis, automation, interpretation, map production, and database support under senior review.

- Maintained parcel, land use, transportation, environmental, and **planimetric** datasets for regional planning.
- Used Arc Info and ArcGIS Desktop for overlay, network, proximity, and suitability analysis.
- Developed Python utilities for repetitive data preparation and map production under senior review.
- Interpreted survey maps, **architectural plans**, imagery, and **planning regulations** for GIS analysis.
- Designed publication quality maps and graphics for reports, meetings, and agency requests.
- Supported relational database maintenance and diagnosed data integrity and geodatabase issues.

Junior GIS Technician

June 2011 - May 2013

Regional Land Information Center

Waterbury, CT

Updated shared cadastral and planimetric datasets, converted legacy files, produced operational maps, and supported users across departmental workflows.

- Updated **cadastral** and **planimetric** features from survey records, assessor data, imagery, and field documentation.
- Checked geometry, attributes, projections, and completeness before shared dataset updates.
- Produced maps and extracts for planning and operations requests using appropriate scales and layers.
- Converted legacy geographic files into standardized formats and documented exceptions.
- Imported verified field observations while maintaining coordinate and attribute consistency.
- Supported users with map access and basic GIS functions across departmental workflows.

PROJECTS

Municipal Emergency GIS Integration 📅 2024

Connected authoritative GIS services with emergency dispatch workflows, improving access to current operational maps during urgent response activity.

Enterprise Spatial Data Governance 📅 2021

Built shared standards for versioned geodatabases, metadata, editing, quality control, publication, and partner data exchange.

LEADERSHIP & AWARDS

- Regional Geospatial Data Governance Working Group, Volunteer Chair
- Enterprise GIS Service Leadership Recognition, Connecticut Valley Geospatial Collaborative
- Public Service Mapping Contribution Recognition, Regional Land Information Center

EDUCATION

Bachelor of Science in Geography

2011

Central Connecticut State University GPA: 3.5

New Britain, CT

Coursework: GIS, cartography, spatial analysis, planning

CERTIFICATIONS

- Esri ArcGIS Pro Associate 📅 2023
- GIS Professional Development Certificate 📅 2023

TECHNICAL SKILLS

- **Esri GIS Platforms:** ArcGIS Pro, ArcGIS Desktop, ArcGIS Server
- **Web GIS:** ArcGIS Online, web mapping, public GIS services
- **Enterprise Geodatabases:** Versioned geodatabases, cadastral layers, planimetric layers
- **Spatial Data:** Hydrographic data, transportation data, land use data
- **Programming:** Python, Arc Info, geoprocessing models
- **Databases:** Relational databases, schema design, attribute management
- **GIS Analysis:** Overlay analysis, network analysis, proximity analysis
- **Data Quality:** Topology checks, geometry checks, coordinate validation
- **GIS Integration:** 911 CAD, permitting systems, enterprise integrations
- **Project Delivery:** RFPs, vendor management, change controls
- **Planning Interpretation:** Zoning regulations, survey maps, architectural plans
- **Imagery And Mapping:** Aerial photographs, satellite imagery, public graphics

SKILLS

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|----------------------|--------------------|------------------------|-----------------------|
| • GIS administration | • Utility Networks | • Project management | • 911 CAD integration |
| • ArcGIS Pro | • Python scripting | • Staff supervision | • Permitting systems |
| • ArcGIS Server | • Spatial analysis | • RFP management | • Emergency GIS |
| • ArcGIS Online | • Data governance | • Relational databases | |

PROFESSIONAL AFFILIATIONS

- Connecticut GIS Network, Professional Member
- Regional Geospatial Data Governance Working Group, Volunteer Chair

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST