

Enthusiastic Geospatial professional currently completing a GIS Co-op with Bruce County. Emerging GIS Professional (GISP-E) certified by the GIS Certification Institute. Award-winner of 2025 Be Spatial Nathan Adams Student Bursary, with hands-on experience in Cartographic Visualization, Experience Builder, Field Data collection, StoryMaps, Dashboards, and spatial analysis and database management. Strong communicator, creative problem-solver, and committed to high-quality geospatial deliverables.

Technical Proficiencies

ESRI ArcGIS Suite | Field Maps | Survey123 | StoryMaps | Experience Builder | Dashboard | Model Builder | FME| QGIS| Python | SQL | GNSS/GPS Emlid Flow| Pix4Dmapper |Remote Sensing| LiDAR & Thermal Imagery| MS Office| Excel | Word | Outlook | Jira Agile PM | Basic Drone Operator’s License

Professional Experience

GIS Co-op Student May 2025 – Aug 2025  
Corporation of Bruce County, Transportation & Environmental Services Walkerton, ON

- Build and maintain web maps, dashboards, and feature classes in ArcGIS Online/Enterprise
- Migrate legacy GIS maps (e.g. public trails, bylaw layers) into ArcGIS Online for responsive public access
- Collect and manage GIS field data for trails, EV chargers, and invasive species using ArcGIS Field Maps
- Collaborate with engineering and planning teams to integrate field data into web maps and internal reports

Data Visualization, Community Conservation and Geospatial Mapping Sept 2024 - Nov 2024  
National Geographic Society + The Nature Conservancy Remote Internship, *Extern* USA

- Conducted a GIS-based analysis of London, Ontario's flood-prone areas, focusing on community awareness
- Designed and implemented community surveys via ESRI’s Survey123, gathering 20+ responses on flood awareness
- Created an interactive ESRI’s StoryMap exploring London through the Thames River, integrating 5+ GIS layers, such as flood risk zones, water bodies, and regulated areas, to highlight vulnerabilities and propose solutions
- Strengthened technical skills in digital cartography mapping, data visualization, and digital storytelling while fostering community engagement

Project

Landscape Ecology – Forest Regeneration | ArcGIS Pro & ArcPy 2025

- Developed ArcPy scripts in ArcGIS Pro to process ~9,000 ha of woodland, classifying 3,350 ha as High-priority and 11,315 ha as Medium-priority for reforestation
- Automated buffer, difference, centroid and road-proximity analyses in Python to delineate optimal regeneration zones
- Produced final cartographic layout and a workflow infographic summarizing total reforestation areas

Flood Risk Awareness | ESRI ArcGIS Online, Survey123, StoryMaps 2024

- Designed an interactive StoryMap that explores London, Ontario, through the Thames River, highlighting its history, ecological role, and vulnerability to flooding.
- Visualized community survey results, revealing critical gaps in flood awareness—66.67% unaware of floodplain status, 95.24% lacking emergency flood plans—and proposed strategies to enhance preparedness.
- Proposed 4+ actionable solutions, including flood awareness programs, green infrastructure, and fostering community resilience.

Awards & Certification

- 2025 [Nathan Adams Student Bursary Winner](#), BeSpatial Ontario
- [Emerging GIS Professional \(GISP-E\)](#), GIS Certification Institute (GISCI)
- **Deans Honour Role, Fanshawe College** (Fall 2023, Winter 2024. Winter 2025; >GPA 3.80)

Education

Geographic Information Systems (GIS) (Co-op) | Fanshawe College, School of Design, London, ON Sept 2024 - Aug 2025  
Remotely Piloted Aerial Systems | Fanshawe College, Norton Wolf School of Aviation, London, ON Sept 2023 - April 2024  
Bachelor of Technology in Aeronautical Engineering | Manipal Institute of Technology, Udupi, India Aug 2016 – July 2020