

YULIIA CHEPURNA

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GIS PROFESSIONAL

GIS professional with a Computer Science degree, five Seneca College GIS micro-credentials, and a background in data analysis including HR datasets of 300,000+ records. Experienced in geodatabase and relational database design, field data collection with Survey123 and Field Maps, spatial analysis in ArcGIS Pro and QGIS, and publishing web maps, dashboards, and StoryMaps through ArcGIS Online. Strongest in data preparation and quality control — geocoding, validation, schema design, and reconciling field observations against official records. PMP-certified.

TECHNICAL SKILLS

GIS & Spatial Tools: ArcGIS Pro, ArcGIS Online, QGIS, Survey123, Field Maps, ArcGIS Dashboards, StoryMaps, geodatabase & relational database design, geocoding, georeferencing, network analysis, spatial statistics (hot spot analysis, EHSA, cluster analysis), raster & vector analysis

Scripting & Automation: Python/ArcPy, Arcade, ModelBuilder

Data & Tools: Excel (advanced), data modeling, data cleaning, QA/QC, SAP

Collaboration & Delivery: Jira, Confluence, ClickUp, Miro

Languages: English, Ukrainian (native), Russian (advanced), French (basic)

GIS PORTFOLIO

- **South Humber Park Trail & Asset Inventory:** Field-verified 81 trail segments (5,422 m) against OpenStreetMap using Field Maps; found 24.8% of the ground-truth network disagreed with OSM and contributed the verified additions back to OSM. Built a 3-feature-class geodatabase with coded-value domains, inventoried 14 assets and 10 condition issues, and ran network-based service accessibility analysis from 13 park access points (Closest Facility, OD Cost Matrix) to quantify travel distance to the nearest public amenity.
[Story Map](#), [Story Map \(pdf\)](#).
- **Spatial Analysis of Residential Break & Enter in Toronto 2015-2025:** Normalized 11 years of Toronto Police incident data per dwelling using 2016 and 2021 Census counts, then ran Emerging Hot Spot Analysis on a space-time cube (158 neighbourhoods × 11 time steps) and cross-checked Hot Spot Analysis against Cluster and Outlier Analysis as a methods comparison.
[Project Description \(pdf\)](#).
- **Newmarket Heritage Properties:** Geocoded 318 register properties, field-verified 130 with Survey123 and Field Maps, and identified 65 data-quality discrepancies in the Town's official register. Delivered web maps, a dashboard, and an Instant App.
[StoryMap](#), [Project Description \(pdf\)](#).
- **Where the Water Flows Across the Land Between Georgian Bay and Lake Ontario:** Watershed and hydrological network analysis.
[StoryMap](#), [StoryMap \(pdf\)](#).
- **Land Cover Comparison in Ukraine, 1992 vs 2020:** Raster change detection and reclassification comparing two land-cover epochs.
[Project description \(pdf\)](#).

PROFESSIONAL EXPERIENCE

Career Transition & GIS Upskilling, Canada

2023 – 2026

Independent GIS Development | Customer Operations (concurrent)

- Earned GIS Micro-Credentials from Seneca College and Esri MOOC certificates while working full-time, demonstrating commitment to a deliberate career transition into geospatial analysis.
- Built a public GIS portfolio (yuliachepurna.com/portfolio) of end-to-end spatial projects — from field data collection to published StoryMaps and dashboards — applying PMP-aligned project management to each deliverable.
- Maintained operations and customer workflows in a high-volume retail environment, sustaining employment while investing in professional upskilling.

Geo Solar Group, Italy (remote)

May 2022 – March 2023

Data Management Specialist

- Developed GIS-based maps in QGIS to support renewable energy analysis and site visualization.
- Built and structured datasets of potential clients, improving data usability and tracking.
- Designed Excel templates to streamline order tracking and operational workflows.
- Supported data organization and reporting for business operations.

Sberbank Group, Moscow, Russia

March 2016 – March 2022

HR Analyst, Customer Journey Expert / Scrum Master

- Analyzed large HR datasets (300,000+ employees) to build annual compensation budgets, validate multi-year performance data, and deliver variance insights for strategic planning.
- Led the annual budgeting cycle, managing data inputs, resolving discrepancies, and reporting monthly/quarterly trends in headcount and compensation.
- Guided development of a company-wide Sales & KPI Dashboard by analyzing customer feedback, refining requirements, validating data, and coordinating cross-functional work.
- Managed Agile workflows: prioritized backlogs, maintained Jira/Confluence documentation, facilitated ceremonies, and ensured HRIS data accuracy while resolving Tier-2 issues.

Alfa Bank, Kyiv, Ukraine

December 2007 – August 2013

Compensation and Benefits Specialist, HR Department

- Managed compensation datasets and supported budgeting, forecasting, and salary review processes.
- Partnered with Finance to analyze HR cost drivers, contributing to a 30% cost reduction initiative.
- Delivered data-driven reports and communications on compensation and benefits.

EDUCATION AND CERTIFICATION

GIS Micro-Credentials: Introduction to GIS: Geospatial Data; Geospatial Analysis; GIS and Data Collection Technologies; Role of GIS in Workflow and Asset Management; Advanced Topics in Geospatial Analysis. Seneca College (2026).

Project Management Professional (PMP), Project Management Institute (2024).

Human Resource Business Professional (HRBP®). HRCI (2015).

Postgraduate Certificate — Human Resources Management, Humber Institute (2014).

Postgraduate Certificate in Computer Science (Master's Equivalent), Bachelor's Degree in Computer Science, National University of Kyiv-Mohyla Academy.

ADDITIONAL INFORMATION

Ontario Driver's License (Class G), Eligible to work in Canada