

Zeinab Salehiankia (she/her)

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Environmental Scientist with 2+ years of experience in consulting, research, ecological fieldwork, and non-profit organizations. Passionate about integrating technology and ecology to advance sustainable solutions. Skilled in environmental data collection, QA/QC workflows, spatial analysis using ArcGIS Pro, and data management. Recognized for a strong work ethic, proactive mindset, and commitment to delivering high-quality results in dynamic work environments

TOP SKILLS

Interpersonal Skills	Clear written and verbal communication Resilient in coordinating fieldwork in remote locations Stakeholder and partner engagement Organized, detail-oriented, and reliable Collaborative in cross-functional, virtual teams Independent, resourceful, and proactive Strong problem-solving and QA mindset Culturally sensitive and community-focused
Technical Skills	ArcGIS Pro Environmental field work ATV-certified fieldwork QA/QC workflow development Data cleaning and validation Data management Microsoft Office (Excel, PowerPoint, Word) Python (Data structures) Scientific reporting and data visualization (Canva) Literature review and synthesis Project management (Keela)

NOTABLE PROJECT

Master's Research Project – Climate Mitigation and Infrastructure 2024 – 2025

Evaluated the effectiveness of green infrastructure in mitigating stormwater runoff as a nature-based solution

- Conducted ecohydrological modeling using ArcGIS Pro and InVEST to evaluate green infrastructure's role in mitigating stormwater runoff, demonstrating a 10% reduction in runoff volume through optimized green infrastructure implementation
- Processed and reclassified high-resolution raster datasets (e.g., precipitation, land cover, soil), ensuring data integrity through stepwise QA during preprocessing and spatial modeling workflows
- Developed a 50-page evidence-based report to inform climate-resilient infrastructure planning by synthesizing 60+ peer-reviewed studies and conducting advanced GIS-based hydrological analysis to support climate mitigation policy objectives

EXPERIENCES

Neighbours United – Environmental Community Canvasser 2025 – 2025

- Collected and digitized GPS-tagged field data from 60+ households during winter outreach, ensuring accuracy and consistency to support organizational QA processes and strategic campaign analysis using the project management tool Keela
- Achieved the highest persuasion (24.1%) and movement (41.4%) rates on the team of five, securing 44.8% petition signatures—exceeding the team average by over 10%

GEMTEC Consulting – Environmental Science Student Intern 2024 – 2024

- Collected, digitized, and organized 3,000+ environmental field data points from bird counts and hydrology surveys as part of an EIA for wind farm permitting, supporting regulatory compliance and habitat impact assessment
- Standardized and cleaned 25,000+ environmental data records in Excel, identifying and resolving inconsistencies, missing fields, and formatting issues to ensure data quality in line with QA/QC protocols and regulatory standards
- Reviewed field sheets for missing spatial data (e.g., UTM), ensuring QA/QC compliance before analysis

Econext – Environmental Research Assistant Intern 2024 – 2024

- Researched climate change mitigation and adaptation strategies by synthesizing 30+ federal and provincial reports across Atlantic Canada to inform net-zero policy planning and support data-driven environmental reporting
- Translated complex scientific findings into accessible content by writing a strategic report and creating visual assets in Canva to support stakeholder communication and engagement

Memorial University – Environmental Policy Research Assistant Intern 2023 – 2024

- Analyzed 160+ federal, provincial, and municipal environmental regulations using Excel to inform Memorial University's sustainability strategy document
- Contributed to the development of the sustainability strategy by delivering targeted policy recommendations aligned with institutional goals

EDUCATION

Master of Environmental Science – Memorial University, GPA 3.7/4 2023 – 2025

Selected Representative for Green Career Expo, 2nd Place at Social Impact Ideathon, Climate Collective Seed Grant (\$1,000), Competitive Research Fellowship (\$1,200), Board of Directors at Graduate Students' Union (International Student Representative), Board of Directors at ClimaFacts (Student-Run Climate Change Education Organization)

Bachelor of Science in Biology – Shahid Beheshti University, GPA 4/4 2016 – 2021