

Spencer Martel

GIS Developer & Analyst

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Geospencer.dev

A geospatial professional with a strong background in programming for geospatial data processing and visualization. Passionate about leveraging GIS strategies to enhance GIS software development and support data-driven decision-making.

I'm currently looking to bring my skills to an exciting organization looking to scale their geospatial capabilities, increase efficiencies in data pipelines, and gain insights from their data.

PROFESSIONAL EXPERIENCE

Operations Analyst at GHGSat *September 2023 - Present*

- Designed, developed, and led progress towards key KPIs granting visibility into data latency, quality and completeness for GHGSat's satellite product resulting in a 34% decrease in data latency to customers.
- Discovered needlessly redundant workflows in the data pipeline, the remedying of which reduced AWS compute costs by \$50,000 per month.
- Worked collaboratively with satellite operations and software development to identify and remedy bottlenecks in data pipelines.

GIS Web Developer at Concordia University *May 2023 - March 2024*

- Worked collaboratively with researchers and designers to bring PhD candidate Lea Pinsky's research to life in an award winning interactive web map. The project is live [here](#) (password: LandBack172)
- This project won the 2023 David Woodward award for best digital map as chosen by the Cartography and Geographic Information Society.

EDUCATION

Concordia University - Montreal

BA. Geography and Geospatial Technologies

- Geography Undergraduate Student Society

SKILLS

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|------------------|----------------|---------------|
| • AWS RDS | • Frontend GIS | • Backend GIS |
| • Remote sensing | ◦ Maplibre | ◦ PostgreSQL |
| • ArcGIS & QGIS | ◦ Leaflet | ◦ PostGIS |