MATT GRAFF

Victoria, British Columbia • 250.896.8985 • mattgraff0@gmail.com

LinkedIn | Website | GitHub

Passionate about leveraging geospatial technology to solve real-world challenges. Strong background in Python, SQL, and GIS software, with an interest in improving transportation and emergency services through data-driven insights.

CORE SKILLS

- **Programming**: Python, SQL, JavaScript
- **Geospatial Tech**: ArcGIS Pro, QGIS
- **Infrastructure:** Amazon S3, GeoServer
- **Data Science**: Pandas, Tableau
- **Software Development:** Git, Linux, Agile
- **Design & Prototyping**: Figma, Adobe Suite

PROFESSIONAL EXPERIENCE

AVENUE ROAD   **Oct 2023 – Present**
Weather Data Analyst

At Avenue Road, my role is to aggregate and analyze historical and forecast weather data to produce weekly reports, including detailed weather and snow forecasts.

- Aggregated and analyzed historical and forecast weather data using Python and SQLite.
- Delivered 8 detailed weather reports per month, assisting in data-driven decision-making for clients.
- Maintained a structured database of thousands of weather records, ensuring consistency and reliability.

GEOBC   **May 2024 – Sept 2024**
GIS Technician / Developer

- Independently researched and implemented a scalable archival system for over 20TB of geospatial data using Amazon S3 and GeoServer.
- Developed an ArcGIS Pro tool to automate Next Generation 9-1-1 (NG911) road and address point comparisons.

GEOBC   **May 2023 – Sept 2023**
GIS Analyst

- Developed custom GIS tools using ArcPy and built user-friendly interfaces in ArcGIS Pro.
- Contributed to the Digital Road Atlas (DRA), enhancing emergency services routing and transportation planning.
- Conducted spatial data analysis and maintained critical GIS datasets.

EDUCATION

Geomatics, University of Victoria, Victoria, BC, 2026
Relevant coursework: Geospatial Data Analysis, Efficient Programming & Algorithms

SOFT SKILLS

Problem-Solving: Ability to break down complex problems and develop efficient solutions.
Communication: Experience collaborating with teams and presenting technical insights.
Adaptability: Quick to learn new technologies and adapt to evolving project needs.

INTERESTS

Running, sports data analysis, cooking.