

# Raphael Roy-Jauvin | Resume

Victoria BC (Willing to relocate) | 250-857-8771 | [rroyjauvin@gmail.com](mailto:rroyjauvin@gmail.com) | Portfolio: [raphroyjauvin.github.io](https://raphroyjauvin.github.io)

## PROFESSIONAL SUMMARY

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Former First Responder turned GIS professional with experience in map production, spatial analysis, infrastructure planning and ecological mapping across multiple sectors. Proficient in ArcGIS Pro for producing high-quality thematic maps and deliverables. Currently completing BCIT's Advanced GIS Diploma and passionate about applying my geospatial skills to sustainable transportation and urban planning projects.

## TECHNICAL AND PROFESSIONAL SKILLS

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- **Languages:** Fluently bilingual (English, French) with C1-level proficiency in German.
- **ArcGIS Pro:** Geoprocessing, digitizing and editing, Model Builder automation, georeferencing, SQL queries, attribute calculations in Python, GPS data integration and geodatabase organization.
- **Spatial Analysis:** Ecological landscape mapping, suitability modeling and site selection, and raster analysis.
- **Cartography:** Adobe Illustrator for thematic mapping, and consultation-ready map products.
- **ArcGIS Online:** Sharing and publishing data through AGOL and creating StoryMaps.
- **FME WorkBench:** Spatial data transformation, model-based processing, CAD to GIS conversions.
- **Programming:** Python for GIS programming, HTML/CSS/Javascript for web development.
- **Leadership:** Train, mentor and supervise staff in high-pressure roles as Paramedic and Dispatch Supervisor.

## SELECTED PROJECTS

<https://raphroyjauvin.github.io/#projects>

- Victoria Light Rail Transit Feasibility Analysis** Dec 2025
- Conducted a weighted overlay raster analysis in ArcGIS Pro to identify optimal transit corridors, integrating multiple criteria and resulting in two proposed route scenarios, presented in a publication-ready map.
- LA River Park Site Suitability Analysis | Multi-criteria site selection in ArcGIS Pro** Nov 2025
- Personal Portfolio Web Page | Designed and built with HTML, CSS, JavaScript** Nov 2025

## WORK EXPERIENCE

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- BC Emergency Health Services | Victoria, BC** Sep 2017 – Present
- Roles: Dispatch Supervisor (2024–Present) | Paramedic and Dispatcher (2017–2024)
- Led a 12-person dispatch team, coordinating complex multi-agency responses.
  - Deployed resources across multiple geographic zones using mapping-enabled dispatch software, clinical experience, and real-time situational analysis for optimal response coverage.
  - Managed medical emergencies as a paramedic and provided assessment, treatment, and transport.
- Telecommunications GIS Planner | MRK Media AG | Munich, Germany** Sep 2016 – Sep 2017
- Implemented fiber optic infrastructure plans across Germany using GIS-based planning tools.
  - Designed and maintained maps, symbology, and technical documentation for engineering teams and planning approvals, ensuring project feasibility and clarity to all stakeholders.
- Landscape Classification GIS Technician | Yukon Government | Whitehorse, YT** Jun 2012 – Jun 2013
- Developed project geodatabases and created thematic ecological maps using ArcGIS, applying principles of symbology, color theory, and layout standards.
  - Performed spatial analysis of geospatial and ecological data using tools such as Hawth's Tools to generate classification layers and site-ranking outputs that supported ecological land use planning decisions.
  - Coordinated ecological fieldwork collecting spatial and ecological data and maintaining this data in ArcGIS.

**Remote Sensing GIS Assistant** | University of British Columbia | Vancouver, BC Sep 2008 - May 2012

- Co-authored a peer-reviewed study on climate-induced tree species range shifts, designed its habitat extent maps. Contributed to graduate remote sensing research using ArcGIS and ENVI tools.
- Performed georeferencing utilizing ENVI; processed raster and vector datasets ensuring data integrity.

## EDUCATION

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**British Columbia Institute of Technology** | Advanced Diploma in GIS *Expected Graduation Sep 2027*

Relevant Courses: GIS Programming, CAD for GIS, GIS Databases, Remote Sensing, Spatial Analysis

**University of British Columbia** | BSc Natural Resource Conservation Sep 2008 - May 2012

Dean's Honor Roll

Relevant Courses: Basic and Advanced GIS, Remote Sensing, Cartography, Object-Oriented Programming

## ADDITIONAL ACHIEVEMENTS

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**C1 German Language Certification** | Goethe Institute | Montreal, QC Sep 2025

**Primary Care Paramedic Program & License** | Justice Institute of BC | Victoria, BC Dec 2015 - Aug 2016

**Yukon Commissioner's Award for Bravery** | Whitehorse, YT January 2013

Recognized for providing critical aid during a remote helicopter incident while significantly injured.