

Raphael Roy-Jauvin | Resume

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

PROFESSIONAL SUMMARY

Fluently trilingual (English, French and German) GIS professional with experience in cartographic production, spatial analysis, infrastructure planning and ecological mapping across multiple sectors. Proficient in ArcGIS Pro for producing high-quality thematic maps and deliverables. Currently in BCIT's Advanced GIS Diploma and passionate about applying my geospatial skills to transportation and urban planning projects.

TECHNICAL AND PROFESSIONAL SKILLS

- Proficient in ArcGIS Pro for thematic mapping, cartography, symbology, layouts, and template creation.
- Experienced in using ArcGIS ModelBuilder to automate workflows.
- Spatial analysis experience, including ecological mapping, suitability modeling, demographic filtering, parcel/site selection, and site suitability assessments.
- Proficient with ArcGIS Online and StoryMaps for sharing and publishing data.
- Experienced in georeferencing, coordinate system conversions, SQL queries, attribute calculations in Python, and geodatabase organization.
- Demonstrated ability to create pleasant and consultation-ready map products with high cartographic readability for technical and public audiences.
- Experience with FME Workbench for spatial data transformation and model-based processing.
- Leadership experience in high-pressure environments through roles as Emergency Dispatcher, Paramedic, and Acting Charge Dispatcher with BC Emergency Health Services (BCEHS).

EDUCATION

Advanced Diploma in Geographic Information Systems

British Columbia Institute of Technology | Online

09/2025 – 09/2027 (anticipated completion)

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

Bachelor of Science – Natural Resources Conservation

University of British Columbia | Vancouver, BC | *Dean's Honour Roll*

09/2008 – 05/2012

Relevant Coursework: Basic and Advanced GIS, Remote Sensing, Cartography (with Adobe Illustrator)

SELECTED PROJECTS

Victoria Light Rail Transit Feasibility Analysis | Personal Project: [View Here](#) | December 2025

- Conducted weighted overlay suitability analysis to identify optimal light rail corridors in Victoria, integrating population density, transit stop density, rail corridor proximity, and activity centre data in ArcGIS Pro.
- Proposed two route scenarios based on raster calculator results and regional planning considerations, with final results presented in an aesthetically pleasing map.

LA River Park Site Suitability Analysis | BCIT Project | Fall 2025

- Applied multi-criteria site selection to identify optimal park locations along the Los Angeles River.
- Analyzed parcel size, demographics, income levels, and proximity to existing parks using ArcGIS Pro.

Personal Portfolio Web Page | Personal Project | December 2025

- Designed and built a personal web page using HTML, CSS and JavaScript, and published on GitHub.

WORK EXPERIENCE

BC Emergency Health Services (BCEHS) | Victoria, BC | September 2017 – Present

Roles: Acting Charge Dispatcher (2024–Present) | Emergency Medical Dispatcher (2018–2024) | Primary Care Paramedic (2017–2018)

- Provide operational leadership and supervision for a 12-person dispatch team, coordinating complex multi-agency responses across Vancouver Island.
- Tactically deploy resources across multiple geographic zones using GIS-enabled dispatch software, clinical experience, and real-time situational analysis for optimal response coverage.
- As a paramedic, responded to medical emergencies and provided patient assessment, treatment, and transport while treating all patients with equal dignity, respect, and care.

Telecommunications GIS Planner | MRK Media AG | Munich, Germany | 09/2016 – 09/2017

- Designed fiber optic infrastructure plans across Germany using GIS-based planning tools.
- Designed and maintained cartographic products, symbology, and technical documentation for engineering teams and planning approvals.
- Collaborated with stakeholders and technical teams to ensure project feasibility and clarity.

Landscape Classification GIS Specialist | Yukon Government | Whitehorse, YT | 06/2012 – 06/2013

- Maintained project geodatabases and created thematic ecological maps using ArcGIS, applying principles of symbology, color theory, and layout standards.
- Conducted spatial analysis using tools such as Hawth's Tools for ecological landscape classification and remote region assessments.
- Participated in ecological fieldwork collecting spatial and ecological data and maintaining this data in ArcGIS.

Remote Sensing and GIS Assistant | University of British Columbia | Vancouver, BC | 09/2008 - 05/2012

- Supported graduate research students in their remote sensing and GIS research ; Co-authored a peer-reviewed study on climate-induced tree species range shifts.
- Performed georeferencing utilizing ENVI; processed raster and vector datasets ensuring data integrity, and metadata accuracy.
- Produced habitat extent maps under multiple climate change scenarios using ArcGIS.

ADDITIONAL ACHIEVEMENTS

C1 German Language Certification

Goethe Institute | Montreal, QC | 2025

Primary Care Paramedic Certificate

Justice Institute of British Columbia | Victoria, BC
12/2015 – 08/2016

Yukon Commissioner's Award for Bravery

Whitehorse, Yukon | 2013

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