

Dan McKelvey

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PROFESSIONAL PROFILE

- Experience using GIS softwares including ESRI (ArcPro & ArcMap, QGIS, & MapInfo)
- Experience with programming languages (SQL, R, JavaScript, Python, BASIC)
- Experience with statistical methods and applications.
- Experience communicating with clients and subcontractors for project scoping, clarification, and direction.
- Experience working as a team and individually with minimal supervision.
- Experience with field data collection techniques and processes in varying field environments such as marine, snow, and terrestrial.
- Experience with Microsoft office suite, PostgreSQL, RStudio, Minitab & SPSS.
- Certified occupational first aid level 1 with the transportation endorsement

EDUCATION

University of Victoria 2016-2021

Bachelor of Science in Geography, focusing on physical geography and GIS.

WORK EXPERIENCE

GIS Technician & Cartographer

Exploration Sites (March 2021 - February 2022)

- Responsible for self-management of GIS projects, including communication with clients and subcontractors.
- Responsible for the creation and quality assurance of figures using client provided data, for technical reports and investor focused marketing.
- Upholding good file structure and management.
- Balancing multiple projects where priorities may change daily
- Responsible for solving GIS and IT related problems and creating workflows.

LiDAR Mapping Technician

Terra Remote Sensing (2019-2020)

- Responsible for the classification of raw LiDAR derived data to different specifications for each client Using Terra Solid Software.
- Sustaining great file management and organization following strict file management protocols.
- Communicating with peers and supervisors for project prioritization.

Packaging Technician

Seastar Chemical (2017-2019)

- Responsible for all procedures necessary for the safe packaging of high purity acids from bottling to shipping while upholding QA/QC standards of excellence through all stages of handling of dangerous goods.

- Responsible for storing packaged products in the on-site warehouse, building and confirming shipments to specified distributors.
- Responsible for upkeep of a class 100 clean room, and safety standards.
- Participated in annual safety exercises, such as simulating an on-site explosion.

RELEVANT EXPERIENCES

Marine Geochemistry Research

Advanced Studies in Geomorphology (Spring 2020)

- Designed and conducted a research project to determine the spatial and temporal distribution of heavy metals in the Juan de Fuca Strait.
- Samples were collected using a Van Veen grab sampler and push cores, and were analyzed using ICP-MS, and XRF technologies.

Snow Depth And Density Research

Dynamics of the Cryosphere (Spring 2020)

- Designed and conducted a research project to determine the effect canopy cover has on snow depth and density.
- Data was collected in four locations, in two different environments (canopy cover and no canopy cover) using a snow probe at Mount Washington, B.C..

Assistant Lacrosse Coach

Westshore Bears Lacrosse Association (Present)

- Encouraging a supportive and motivated environment, while balancing skill development and player engagement.
- Assess player abilities to guarantee a competitive team while planning for future growth.

HOBBIES

Camping, Hiking, Fishing, Skiing, Scuba Diving, Lacrosse, Hockey,