



STAFF PROFILE



Simon Dahrouge, B.Sc.
Geoscientist-in-Training (G.I.T.)

EDUCATION

- University of Alberta, Edmonton, Alberta / 2019
 - Bachelor of Science with Specialization in Geology

EXPERIENCE SUMMARY

Since he started with Dahrouge in 2016, Simon has worked on various green & brownfield exploration programs in Canada and the United States. His experience initially focused on industrial minerals but has since expanded to VMS/IOCG Co-Cu (Idaho cobalt belt type), metamorphic graphite, Li-Cs-Ta pegmatite, basement hosted uranium, low sulfidation epithermal Au-Ag, ultramafic Ni-Co (Type II - Mount Keith-Style) and greenstone gold deposits.

Simon has gained experience in project management of early-stage exploration including rock/soil sampling, detailed and regional mapping, ground magnetic and drone geophysical & geomatics surveys. Simon also has also managed helicopter support winter drill programs in remote areas of Northern Canada and has experience assisting with writing technical reports, processing of field data, project generation (data compilation and map creation) and 3D geological modeling and database management.

DEPOSIT TYPES

- Epithermal Au-Ag
- VMS/IOCG Co-Cu (Idaho Cobalt Belt)
- Greenstone Au
- Ultramafic Ni-Co (Type II - Mount Keith-Style)
- LCT Pegmatites
- High-Ca Limestone
- Dune Frac Sand
- Metamorphic Graphite
- Basement Hosted Uranium

LANGUAGES

- English (fluent)

SOFTWARE & INSTRUMENTATION

- ArcGIS, QGIS, ArcGIS Collector, ArcGIS Field Maps
- Leapfrog Geo
- Maptek Vulcan
- UgCS Drone flight planning software
- Python (beginner)
- GSM 19 Overhauser and GSMP-35 Potassium Magnetometer
- Reflex APS, Gyro & Gamma Probe
- SPT Gyro
- DJI M300 Drone (P1 & L1 Payload)
- ZSNA-1000-S Gamma-Ray Spectrometer Probe
- Trimble DA2

CERTIFICATES

- Firearms Possession and Acquisition License (RPAL)
- Level 2 - XRF Analyzer Operator Certification
- Standard First Aid - Level C CPR/AED
- Canada Safety Council ATV Rider Course
- Bear Safety Course
- MSHA Part 48 New Mining Training
- Small Basic Drone License (Canada)
- Part 107 Drone License (USA)

PROFESSIONAL ASSOCIATIONS

- APEGA



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PROFESSIONAL EXPERIENCE:

PROJECT	DETAILS
Lithium (Pegmatite) Exploration <i>Thunder Bay, Ontario, Canada</i> Project Geologist-in-Training 2022-Present	<ul style="list-style-type: none">• Project management of surface exploration including prospecting, sampling, property scale mapping, drone assisted detailed outcrop mapping, trenching and channel sampling• Regional data compilation, historical geochemical database validation and exploration targeting using geophysical and geochemical mineralization vectors• The program led to the projects first discovery of additional mineralized pegmatites outside of known mineralization in 50 years
Gold (Epithermal) Exploration <i>Montana, USA</i> Project Geologist-in-Training 2022-Present	<ul style="list-style-type: none">• Project management of surface exploration including geological mapping, drone magnetic survey and high accuracy historical survey control/collar survey using Trimble DA2 and DJI M300 drone• 43-101 technical report, historical model update and database validation of over 400 drillholes and trenches from the early 1970's to 2012
Uranium (Basement Hosted) Exploration <i>Saskatchewan, Canada</i> Project Geologist-in-Training 2022	<ul style="list-style-type: none">• Co-project management of helicopter supported one-rig 2500 m drill program• Management of remote camp (up to 16 staff)• Field management of drill rigs. Hole spotting and shut down, coordinating drill rig moves, drill rig alignment, collar location surveys and downhole surveys using:<ul style="list-style-type: none">○ Reflex APS and Gyro○ ZSNA-1000-S Gamma-Ray Spectrometer Probe• Implement core orientation procedures using reflex ACT III• Implement core logging and QA/QC procedures• Geological and geotechnical core logging, core sampling, specific gravity measurements and core photography• 3D geological modeling with leapfrog geo
Gold (Greenstone) & Nickel (Mount Keith-Style) Exploration <i>Timmins, Ontario, Canada</i> Project Geologist-in-Training 2021-2022	<ul style="list-style-type: none">• Geological and geotechnical core logging, core sampling, specific gravity measurements and core photography• Field management of drill rigs. Coordinating drill rig moves, drill rig alignment, collar location surveys and downhole deviation surveys<ul style="list-style-type: none">○ Reflex APS and Reflex Gyro• Sample QA/QC and shipment• Data compilation, map generation and 3D geological model updating with leapfrog geo• Drone magnetics survey planning, execution, base station setup and data validation/QAQC



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Gold (Epithermal) Exploration

Idaho, USA

Project Geologist-in-Training

2019-2021

- Project management of surface work including geological mapping, rock sampling, soil sampling, and ground magnetic surveys
- Geological and geotechnical core logging, core sampling, specific gravity measurements and core photography
- Drill rig alignment, collar location surveys and downhole deviation surveys
 - Stockholm Precision Tools Gyro
- Sample QA/QC and shipment
- Data compilation and map generation

Copper/Cobalt (VMS/IOCG) Exploration

Cobalt, Idaho, USA

Project Geologist-in-Training

2021

- Project management of helicopter supported surface work including:
 - Geological mapping, rock sampling, soil sampling and ground magnetic survey
- Data compilation and QA/QC
- Communication with USFS and local stakeholders

Gold (Epithermal) Exploration

Colorado, USA

Junior Geologist-in-Training

2019

- Ground magnetic survey
- Rock and soil sampling

Diamond (Kimberlite) Exploration

Northwest Territories, Canada

Junior Geologist-in-Training

2019

- Geological mapping, till sampling and prospecting
- Ground magnetic survey

Frac Sand Exploration

Alberta, Canada

Junior Geologist-in-Training

2019

- Project preparation and planning
- Rock/sediment sampling and prospecting

LCT Pegmatite and Gold Exploration

Eastern Canada

Student/Junior Geologist-in-Training

2017-2019

- Geological mapping, rock/soil sampling and prospecting
- Ground magnetic survey
- LiDAR survey ground control point setup
- First Nations Engagement

High-Calcium Limestone Exploration

British Columbia, Yukon and Alberta, Canada

Student/Junior Geologist-in-Training

2016-2019

- Prospecting, geological mapping, rock sampling
- Ground magnetic survey
- Map creation and data compilation

Frac Sand (Quartzite) Exploration

British Columbia, Canada

Student

- Project preparation and planning
 - Geological mapping, rock sampling and prospecting
 - Map creation and data compilation
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STAFF PROFILE

2017-2018

Graphite Exploration

Eastern Canada

Student

2017

- Prospecting, geological mapping, soil sampling

Cobalt Exploration

Ontario, Canada

Student

2017

- Prospecting, geological mapping, soil sampling

PROFESSIONAL DEVELOPMENT:

DESCRIPTION	TYPE	YEAR
• Structural Masterclass	Seequent – SRK Short Course	2021
• Geochemical Modeling for Ore Body Knowledge and Exploration Targeting	PDAC Short Course	2021
• AME Roundup Spectral Geology: Fundamentals, Recent Advances and Case Histories	Roundup Short Course	2021
• AME Roundup Concepts and Application of Machine Learning to Mining Geoscience	Roundup Short Course	2020
• University Alberta Student Chapter Southwestern USA Trip (mine tours of porphy, epithermal, skarn and carbonatite systems).	SEG Mine Tour	2019