

**Thu Vo**  
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**OBJECTIVE** Geotechnical position with opportunity for advancement

**GEOTECHNICAL SKILLS**

- Assisted a mud-rotary and sonic drilling investigation by conducting blow counts, collecting soil samples, characterizing subsurface conditions and supporting the factual report write-up.
- Digitized cored borehole logs and discontinuity logs using gINT and Microsoft Excel.
- Characterized rock shear resistance and rock-bearing capacity for a dam design desktop study using Barton-Bandis method and Hoek Brown Failure Criterion on RocData software.
- Assessed seepage and piping potential failure modes and determine the cause of sinkhole activities for a dam safety review through internal stability analyses (Li & Fannin, Burenkova, Wan & Fell) and material compatibility.

**LABORATORY SKILLS**

- Conducted experiments using high-frequency electromagnetic spectroscopy (HFEMS), x-ray fluorescence (XRF), laser-induced breakdown spectroscopy (LIBS), K10 magnetic susceptibility.
- Reduced sample contamination and analytical errors by preparing homogenous duplicates, choosing suitable reference materials and performing intense quality assurance/quality control (QA/QC).
- Prepared equipment and samples in the laboratory for technological demonstrations.

**ORGANIZATIONAL AND TECHNICAL WRITING SKILLS**

- Organized 12 weekly member meetings throughout the school year.
- Coordinated 5 skill-training and team-building sessions for over 100 volunteers to create a diverse and well-trained unite team.
- Developed a new comprehensive database system for over 15 past, current and future projects, which includes pilot lab experiments, field trial data, and reports.
- Produced client proposal using corporate CVs, relevant past project experiences, budget estimation and proposed project timeline (Microsoft Project).
- Contributed to 3 amenability reports by comparing and analyzing experimental data results with assay results.

**EDUCATION** The University of British Columbia (UBC)  
Bachelor of Science in Geological Sciences, May 2020  
GPA: 3.2/4.0

**EMPLOYMENT** Geotechnical Co-op Student (05-12.2018) – Hatch Ltd.  
Geological Technician (09.2017-04.2018, 01-04.2019) – Mineral Deposit Research Unit, UBC  
Technical Services Co-op Student (01-08.2017) – MineSense Technologies

**SOFTWARE AND CERTIFICATIONS**

- gINT, RocData, AutoCAD, Microsoft Office
- Forklift Operator (class 4 & 5)
- X-ray Fluorescence Operator (level 1)
- Fall Protection Training, Workplace Hazardous Materials Information System Training (WHMIS)

**INTERESTS** Swimming, puzzle solving, photography

**REFERENCES** Available on request