

# ROBERT TADASHI, B.ASc.

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- Hands-on **Mining Engineering graduate** with a growing and reliable foundation of skills in both mining and mineral processing.
- Globally-minded professional with experience working and travelling in different countries.
- Multilingual: native English speaker with intermediate French and beginner-level Spanish oral and written skills.
- Strong workplace communication and interpersonal skills practiced in a stressful fast paced environment. A flexible team player able to work independently and in diverse teams.
- Solid network within the mining industry and committed to gaining an operational perspective in the field in order to strengthen engineering capabilities.

Equipped with in-demand technical capabilities including:

- Industry software proficiency – Experience using software including Surpac, Vulcan, MineSight, AutoCAD, MS Office.
- Mine Design – Experience in creating underground and open pit design during capstone projects.
- Cost and Resource Estimation – as shown through success in benchmarking for mine design projects.

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## EDUCATION

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### Bachelor of Applied Science (B.ASc.) in Mining Engineering

Sep 2013 – Nov 2017

University of British Columbia

Notable Courses: Underground Mining & Design | Surface Mining & Design | Modelling & Simulation | Engineering Economics | Mine Management | Mineral Process Control | Mine & Plant Feasibility Study

#### Examples of Learning Outcomes

- **Mining & Mine Design:** Gained practical understanding of the process to select, design, and develop underground and surface mining methods based upon physical, geological, economic, and environmental constraints.
- **Modelling & Simulation:** Explored methods for determining the behaviour of large-scale industrial systems and their application to the design and analysis of such systems.
- **Engineering Economics:** Well-versed in the economic aspect of projects with attention to sensitivity analysis, risk analysis, financing, capital expenditures, and cash flow modeling.
- **Mining Process Control:** Developed detail-oriented skills in mineral processing, including automatic control theory, PID control, Laplace and z-transforms, frequency response, stability analysis and other concepts, in addition to control strategies for various aspects of a mine's operations, equipment, instruments, and sensors.

#### Capstone Projects

Collaborated as part of a 3-person team to complete a pre-feasibility study for the design of an open pit copper mine and on a second 3-person team to complete a pre-feasibility study for the design of an underground gold mine. Developed this study from the perspective of a mining consulting company.

- Identified two distinct ore bodies based on 67K+ samples imported into Vulcan and MineSight.
- Developed a block models to determine the average grades within the identified mineralized zones.
- Recommended, based on grades in an optimized pit shell, the economic value of an open-pit mine design.
- Presented a clear depiction of the process plant and associated circuits necessary to achieve optimal production.

## PROFESSIONAL & RELEVANT EXPERIENCE

### University Representative to CIM (The Canadian Institute of Mining, Metallurgy and Petroleum)

2014

University of British Columbia (UBC)

- Held distinction as the point of contact on behalf of the university's student chapter toward the mining industry.
- Capitalized on opportunities to build relationships and gain new knowledge on the industry, through regular attendance of tradeshow and events conducted by the CIM.
- Organized and managed industry events at UBC on behalf of the student chapter with success in securing prominent speakers in the industry.
- Networked with the local mining industry, from world-class mine operating companies to up-and-coming mine developers, and from global mining equipment suppliers to niche mining technology developers.
- Attended 5 conferences since 2013 with the intention to continue attending on an annual basis.

### Field Researcher

Summer 2013

UBC Mining Department – Ecuador

- Under the direction of a professor, collaborated with local engineering firm INIGEMM during an International UN-funded field project to conduct extensive sample gathering to determine levels of mercury and cyanide pollution caused by mining in the Pyungo-Tumbes watershed.

### Internship in Industrial Inorganic Chemistry

2004-2005

Vizon Scitec Inc – Vancouver, BC

- Working independently, tested the concentration of toxins to ensure compliance with environmental regulations. Assisted senior chemists with sample preparation for larger experiments.

### Various Customer Service Roles

2001 – 2019

Developed a strong combination of skills in relationship management, leadership and customer service throughout front-line positions including:

- Server | The Point Grill, UBC – Vancouver, BC 2012 – 2019
- Server | Mahony & Sons Public House, UBC – Vancouver, BC 2017 – 2019
- Bartender, Supervisor & Usher | Chan Centre for the Performing Arts, UBC – Vancouver, BC 2001 – 2017
- Server, Bartender & Caterer | Sage Bistro, UBC – Vancouver, BC 2010 – 2017
- Bartender | The Troller Pub – Horseshoe Bay – West Vancouver, BC 2008 – 2009
- Financial Advisor | Freedom 55 Financial – Vancouver, BC 2005 – 2006

### Internship in Food Chemistry

2000-2001

Canadian Inovatech, Inc – Abbotsford, BC

- Tested the viscosity and water activity of experimental products. Independently designed and performed experiments to test the selectivity of specific enzymes for various phospholipids. Worked on bench scale and semi-industrial scale pasteurization experiments.

## EARLIER EDUCATION & PROFESSIONAL DEVELOPMENT

**Courses & Workshops** | William Davis Centre for Actors' Study

2006 – 2007

**Studies in Biological and Chemical Engineering** | University of British Columbia

2003 – 2004

**Engineering Transfer Program (Diploma)** | Langara College

2001 – 2003

**Studies in Chemistry** | Simon Fraser University

1996 – 2000