RYAN VO, M. Eng

(+1) 778-855-2168 | minhvoryan@gmail.com | LinkedIn

WORK EXPERIENCE

DAHALA Vegetable Oil Inc. – *General Manager* — Jul 2023 – Dec 2024

- Built a distribution channel (GT, MT) for the company's new product line: Canada high smoke point *flaxseed oil* with a unique go-to-market path to establish over 300 points of sales in under 1.5 years;
- Led a marketing team of 6 to establish digital footprint (website, SEO, social media profiles, online PR) and in-person sampling events to promote new product and position new brand;
- Designed, installed, and commissioned a cooking oil processing & packaging line with a capacity of 2,000 bottles per hour to introduce new SKUs for new market segments and oversea markets.

Hoang Minh Water JSC – *Business Development Manager* — Nov 2021 – Dec 2024

- Managed and fostered a sales team of 3 leads and 18 associates across 3 sale channels (GT, MT, KA) to increase revenue with YOY growth of 25% (2023) and 38% (2024) for *alkaline drinking water;*
- Led a marketing team with an annual budget of 100,000 CAD for digital marketing with numerous branding campaigns; managed trade marketing initiatives across sale channels to increase market share, which grew from 7^{th} to 4^{th} position after 3 years and ranked 1^{st} in domestic water brand;
- Designed an integrated electrolysis system to produce alkaline water at 30 m^3/hr using Japanese technology at the core, to be installed at other factories with different ground water sources;
- Upgraded current factory capacity from 50 to 80 millions liters of alkaline water production per year.

New Gold Inc. – *Mine Planning & Automation Co-op student* — Apr – Aug 2019

- Managed the implementation of the on-surface remote control room and completed a case study of cycle time between a manual and semi-autonomous underground LHD
- Researched and proposed electric man carrier as an alternative to current diesel fleet
- Conducted a business plan for a custom-made water truck to recover the hung-up draw bells
- Proposed an OT network infrastructure as a foundation for full underground coverage to support new disruptive initiatives: real-time asset tracking and monitoring, computerized ventilation-on-demand, autonomous mucking and haulage, etc.

Goldcorp Inc. – *Intern, Mechatronics* — Aug 2017 – Aug 2018

- Managed innovative projects across Goldcorp's operation to implement semi-autonomous LHD and rockbreaker for underground mine, and autonomous surface drill rigs for open pit
- Researched and proposed new technology to counter HPGPS issues for surface equipment
- Developed a hypothesis surrounding the communication issues in autonomous system and derived both workaround and long-term solutions that drastically decreased the downtime
- Conducted stakeholder engagement and gap analysis to promote organizational change management for each project
- Assisted in the development of data analysis dashboard for tracking project KPI
- Collaborated with the management team during the development of Borden gold mine

EDUCATION

University of British Columbia — Sep 2015 – Aug 2022

Master of Engineering in Mechatronics Design (M.Eng) — **GPA: 90%**

- Project: MECH 467 Lab Upgrade with BECKHOFF
  - Replaced the previous dSpace and VirtualCNC setup with new BECKHOFF setup and software
  - Redesigned the Simulink models to be integrated into BECKHOFF's TwinCAT environment
  - Designed the controllers to be used in the lab projects to control 1-axis and 2-axis machines

B.ASc – Mechanical Engineering (Mechatronics Option & Minor in Commerce) **GPA: 91%**

- Awards:
  - Goldcorp #DisruptMining Award (2018)
  - Chemetics Tatsu Ueki Memorial Scholarship in Engineering (2018)
  - Faculty of Applied Science International Student Scholarship (2018, 2016)
  - Trek Excellence Scholarship for Continuing Students (2019, 2018, 2016)
  - Outstanding International Student Award (2015)

ACTIVITIES

- University Capstone Design course projects:
  - **SmartSole**: smart insoles that compute a balance score and assess seniors' mobility
  - **Automatic curtains**: a device that controls the blinds based on outside light and temperature
- Student design teams:
  - **UBC Open Robotics** (Sep 2017 – Dec 2020):
    - Co-lead the advanced project sub-team of 5 members
    - Design a piano-playing robot to demonstrate precise motion control of robotic fingers
    - Re-designed the drivetrain system of V2 robot, in preparation for RoboCup@Home
  - **UBC Thunderbots** (Sep 2016 – Sep 2017):
    - Managed team day-to-day logistics, such as team de-briefing, hosting meetings, PR
    - Coordinated between mechanical, electrical, and software sub-teams to ensure the robots are ready for the annual RoboCup Small Size League competition
- Disrupt Team (November 2018):
  - Assessed innovations in mining for Goldcorp to select the next winner of **Disrupt Mining**
  - Evaluated and ranked 80+ applications to the top 20 for Goldcorp's review
- Engineering Competition (Consulting): worked with 3 other colleagues to:
  - UBCEC (Oct 2018): propose a new sub-community model that won first place at UBC
  - WEC (Jan 2018): deliver a sustainable solution to flooding crisis in Eastern Canada
  - UBCEC (Oct 2017): deliver a mine design that won first place at UBC
- Sport: **Golf**