Jonas de Hoog

604-652-0910 | jonas1dehoog@gmail.com | https://linkedin.com/in/jonasdehoog/ | website

EDUCATION

Bachelor of Engineering – Biomedical Engineering | University of Victoria
Graduation date: April 2027 | GPA: 4.44

WORK EXPERIENCE

Bagging Plant Operator | September 2022 – January 2023
Raymont Logistics Ltd. | Prince Rupert, BC

- Connected hoses to railcars, identified seal numbers, removed caps, placed catch trays, and installed filters.
- Utilized basic hand tools such as drills, nail guns, air hoses and small machinery such as skid steer, forklift, JLG lift as needed.
- Managed vacuum systems and set vacuum pressure as needed.
- Reset and programmed machines during product changes to maintain optimal pallet format.
- Loaded pallets into containers, conducted final quality inspection checks, and attached pallet labels.
- Took samples from railcars and photos of containers prior to loading, during loading, and once complete to Ray-Mont cloud.

Cargo Sampler Co-op | May 2022 – August 2022
Certispec Services Inc. | Prince Rupert, BC

- Operated conveyer belts and large machinery for the coal ship loading plant located at Trigon Terminal.
- Played a crucial role in ensuring quality control and accurate sampling of coal cargo at Trigon Terminal.
- Inspected automated sampling plants to ensure proper functionality and condition.
- Recorded information on standard forms regarding cargo type, quality, and condition during loading/unloading.
- Sampled cargo loaded onto vessels and assisted in the reduction, preparation, and distribution of samples to third-party laboratories.
- Conducted a report on finding more efficient ways of dealing with metal detected in conveyer loading belts.

SKILLS

Research & Lab Work: Lab Safety, Nucleic Acid Extraction, Centrifuge Operation, and PCR Amplification.

Programs & Languages: MATLAB, C, HTML, CSS, and R.

Manufacturing: SolidWorks (Certified Associate), SolidWorks PDM, Design for Manufacture and Assembly, Engineering Drawings, and Finite Element Analysis (FAE).

TECHNICAL PROJECTS

Personal Website | 2024

- Programmed my own website to highlight my academic achievements.

Hydroponic System | 2023

- Designed a self watering hydroponics system using SolidWorks.

Hybrid Model Rocket | 2021

- Designed a model rocket in SolidWorks, see my website for pictures.

Lead Engineer – FIRST Robotics Competition | Grade 12

- Led team in the design and build of our school's robot for the FIRST robotics competition.
- Assisted in the programming of the autonomous aspects of the robots' tasks like object identification.

REFERENCES

Provided upon request.