

Education

Memorial University of Newfoundland, St. John's, Canada

September 2016 – present

Bachelor of Engineering Co-op Program

Final Year Student of Process Engineering, Expected Graduation May 2021

Achievements/ Awards

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| • Current academic CGPA of 3.52 | 2020 |
| • Certification of First Aid and CPR | 2017 |
| • International Work Term Award – Chevron Canada Ltd. | 2017 |
| • The Hebron Women in Science and Engineering Scholarship | 2016 |
| • Dean's List 2015-2016 | 2016 |

Engineering Work Experience

Apotex Inc. – Richmond Hill, ON, Canada

January 2020 – April 2020

Production Investigation Engineering Co-Op Student

- Conducted investigations and generated reports for product failures or deviations from Standard Operating Procedures (SOPs) in Production, Validation and Process departments.
- Collected and analyzed data and information from different resources relating to deviations and performed Root Cause Analysis (RCA) to identify root cause(s).
- Managed proposed Corrective and preventive actions (CAPAs) with impacted departments (QA, Validation, Production, and etc) and assisted in both implementation and follow-up.
- Conducted Risk and Impact Assessment on events that potentially might have affected products, individuals and environment.
- Worked with a multidisciplinary team to analyze production systems, layout and packaging processes for continuous improvements focusing on Safety, Quality and Productivity.

Suncor Energy Inc. – St. John's, NL, Canada

May 2019 – August 2019

Process Automation Engineering Student

- Revised and updated Piping and Instrumentation Diagrams (P&IDs) to reflect on modifications of different systems in the Terra Nova Services using AutoCAD
- Coordinated with vendors and offshore operators and developed a trial procedure on the Corrosion Inhibitor Injection in the system for process optimization
- Compiled and analyzed process data for monthly Safety and Environmentally Critical Reports for the Produced Water System and Water Injection Integrity slides
- Assisted in responding to Technical Queries of operations offshore through investigations and troubleshooting using SAP software

North Atlantic Refining Limited – Come By Chance, NL, Canada

August 2018 – December 2018

Process Engineering Co-op Student

- Monitored and troubleshoot process issues in the Crude unit
- Developed and updated Key Performance Indicators (KPIs) on various unit using MS Excel
- Performed hydraulic calculations on the Heavy Vacuum Gas Oil (HVGO) Pumparound system and conducted an economic analysis in upsizing the control valve for process optimization
- Modeled and ran process simulation with various parameters using HYSYS for different system performance
- Developed and updated Piping and Instrumentation Diagrams (P&IDs) of different equipment as per field and identified tie points

J.D. Irving Limited - Saint John, NB, Canada

January 2018 – April 2018

Technical Process Engineer Co-op Student

- Collected samples from different locations of the tissue mill and performed different lab testing including freeness, thick stock consistency, wet end chemistry, and charge and demand
- Conducted root cause analysis based on data collection results and reporting using PARCview.
- Coordinated with suppliers, vendors and co-workers on project in installing a freeness analyzer to measure freeness of pulp directly from the process line to increase the quality of tissue
- Conducted environmental inspection to monitor suspended solids in wastewater lines to avoid contamination
- Performed inspections on equipment and instrumentation during monthly scheduled maintenance

CBH Project Engineering – Malaysia

May 2017 – August 2017

Engineering Co-op Student

- Provided design calculations for lighting layouts of commercial, residential and industrial projects using Excel
- Regularly updated databases for electrical components to ensure accuracy
- Prepared purchase requisitions and orders for supplies and equipment
- Communicated with co-workers, clients, sub-contractors and engineers on project-related topics such as costing and resolving project-related problems

Other Related Experience

English Language Circle - St. John's, NL, Canada

September 2016 – Present

Volunteer

- Volunteer in the local English as a Second Language (ESL) class to help International students improve their English language skills
- Coordinate weekly activities in groups and assist in developing lesson plans
- Act as a translator from English to Mandarin Chinese and vice versa when needed

Society of Petroleum Engineers (SPE), Canada

September 2017 – December 2018

Student Member

- Participated in any events organized by SPE in the region
- Connected with other members and professional engineers in the field
- Kept up in knowledge with any events or news trending in the industry

MUN Malaysian Student Society – Memorial University

May 2018 – December 2018

Director of External Affairs

- Managed relationships between the society and all external organizations
- Provided guidance and support to members under the Malaysian Student Society
- Coordinated with the other executives in decision-making including budgets, policies, and change management evaluation process

Memorial University - St. John's, NL, Canada

March 2017 – September 2018

Memorial Student Ambassador

- Represented Memorial during on campus recruitment events
- Participated in voluntary activities on and off campus
- Provided a safe and comfortable environment for students

Skills

- Proficient in Microsoft Office Programs such as Excel, Word and PowerPoint
- Skilled in programs such as Aspen HYSYS, HTML, AutoCAD, C++, SolidWorks, Eclipse, MATLAB, SAP, LIMS
- Experience in preparing PFDs, BFDs and P&IDs
- Experience in creating and understanding Material & Mass Balances
- Fluent in languages such as English, Chinese Mandarin and Malay

References Available Upon Request