

Kendra Cleary

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PROFILE

- Engineer with over six years of diverse work experience in the metallurgical and materials engineering fields
- Hard working individual eager to take on new challenges to improve upon existing skills and develop new ones
- Seeking position that will benefit from my strong engineering education, technical and practical work experience and advanced leadership, teamwork, communication and time-management skills

EDUCATION

Dalhousie University

Bachelor of Materials Engineering with Co-op

Halifax, NS

2013

WORK EXPERIENCE

Fluor Canada Ltd.

Calgary, AB and Saint John, NB

Metallurgical, Piping Materials and Mechanical Design Engineer

Jan. 2014 – Present

- Worked in the Metallurgy & Welding department at the company's home office in Calgary, AB for three years
- Transferred to the company's Saint John, NB office at the Irving Oil refinery to work as a Mechanical Design and Piping Materials engineer
- Selected materials for equipment and piping on many diverse projects including refineries and facilities for steam assisted gravity drainage (SAGD), hydrotreating and hydraulic fracturing operations
- Created and updated Materials Selection Diagrams, Materials Selection Reports and Materials Selection Tables based on continuously changing process information and project requirements
- Reviewed materials of construction and welding related information for piping and mechanical equipment
- Designed mechanical equipment and piping systems using the applicable Codes and created equipment datasheets and line lists.
- Prepared the technical portion of RFQs and POs for both mechanical equipment and pipe spools
- Issued Engineering Work Orders for the installation and repair of equipment and piping
- Provided field support and assessments
- Kept projects running on schedule by quickly responding to inquiries and requests regarding materials selection and design
- Participated in many internal and external courses to further my learning including an ASME BPVC Section IX course, PIP152 – Piping Material Engineering, PTE150 – Basic Process Design, CINDE Weld Inspection and Quality Control Level I, and the Ready Arc Welding course

Dalhousie University/GKN Sinter Metals

Halifax, NS

Materials Engineering Senior Class Design Project – Team Leader

Sept. 2013 – Dec. 2013

- Worked with a team to design a powder metallurgy production facility for GKN Sinter Metals that would be used for production of an automotive part
- Led a team of four people to design one aspect of the facility and conducted weekly meetings to delegate tasks and execute deliverables
- Helped to establish the business plan, facility model and final report as well as to create and deliver the final presentation

EVRAZ NA Research & Development

Regina, SK

Engineering Co-op Student

Jan. 2013 – Aug. 2013

- Metallographically prepared samples in order to analyze their microstructure and other properties when conducting research projects
- Gained experience with many research techniques including hardness testing, microscopy, moisture and hydrogen testing, tensile and bend testing, heat treatment, liquid penetrant examination and magnetic particle testing
- Led a research project with the goal of improving bend testing techniques company wide
- Helped to create two Microsoft Access databases to aid in inventory, training and health and safety efforts

BlueLight Analytics Inc.

Engineering Co-op Student

Halifax, NS

May 2012 – Aug. 2013

- Conducted research projects in a manner that far exceeded my employer's time expectations
- Prepared drawings using AutoCAD and Solid Works for a patent application
- Coordinated the company's social media efforts and helped to redesign and maintain the company website
- Continued to work remotely for the company after my four month co-op term had ended

VOLUNTEER EXPERIENCE

Hypable.com

Writer

Based in Los Angeles, CA

Feb. 2016 – Present

- Covered television shows, movies, and pop culture for the entertainment website which includes writing reviews, news and featured articles
- Worked with other writers to brainstorm ideas that would drive traffic to the website
- Participated in podcasts which covered general pop culture and specific fandoms

Big Brothers Big Sisters of Canada

Mentor

Calgary, AB

Jun. 2015 – Apr. 2017

- Planned activities to do with my "little sister" that will ideally help her to develop new skills
- Helped my "little sister" through problems and advised her on both current issues and decisions for her future

Calgary Interfaith Food Bank

Volunteer

Calgary, AB

Dec. 2014 – Apr. 2017

- Worked with a team on a weekly basis to pack and distribute food to members of the community who were in need of assistance
- Participated in fundraising efforts during times of the year when need was increased

SKILLS SUMMARY

Technical skills

- Materials selection skills and experience obtained through reading Codes, guidelines and papers, along with selecting materials for a wide range of equipment and piping in a diverse array of services
- Mechanical and piping design skills gained by using Codes to appropriately specify design requirements
- Technical writing skills improved through writing technical reports for school and in the workplace
- Metallurgical skills including metallographic preparation and analysis developed through laboratory work and work experience
- Experienced in reviewing welding and Non-Destructive Examination (NDE)
- Good working knowledge of Solid Edge, Solid Works and AutoCAD
- Able to read diagrams including P&IDs and PFDs
- Proficient in Microsoft Word, Excel, Access and Powerpoint
- Basic knowledge of C programming and MatLab

Non-technical skills

- Public speaking skills developed through presentations and being an actress with the Saint John Theatre Company
- Leadership skills improved through taking the lead of school and work projects, attending the Nova Scotia Legion Leadership Camp, being a leader at Vertical Youth Group and Dalhousie Intersarsity Christian Fellowship
- Teamwork skills proven when playing on many sports teams and working in team environments
- Organizational and time management skills built through balancing education, employment and extra-curricular activities
- Project management skills obtained through course work and leading a research project during my co-op experience
- Proficient in French

REFERENCES

Available Upon Request