

Nazanin Motevali

Junior Environmental Engineer

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 nazanin-motevali

Summary

- Bilingual Entry-Level Environmental Engineer with fluency in English & French.
- Environmental research assistant with 2+ years of experience supporting environmental compliance programs to reduce risk around hazardous waste, wastewater, and air emissions (GHGs).
- Prepared budgets, analyzing data, generated financial & technical reports for management review.
- Basic knowledge of ISO14001, EPA, state, and federal environmental regulations.
- Experienced with Microsoft Office, GIS, Aspen, Comsol, AutoCAD, Landgem, Modflow, and Retscreen software.

Skills

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|--|-------------------------------|------------------------------|
| ○ Environmental Awareness | ○ Problem-solving | ○ Cost estimation |
| ○ Environmental Impact Assessment | ○ Technical Research & report | ○ Annual emissions estimates |
| ○ Renewable energy and sustainable development | ○ Critical thinking | ○ GHG reduction techniques |

Work Experiences

Montreal, QC **Research Assistant - Industrial partner: Chevron Company, Concordia University**
Jan.2017 Civil & Environmental Engineering department

- Jan.2019
- Developed, designed and executed environmental and energy conservation for industrial partner project (Chevron Company).
 - Assessed pollution levels by collecting and analyzing environmental samples of sludge, water and air emission.
 - Researched new technologies and methods to provide recycling and recovery recommendations for sustainable development of hazardous waste from refinery.
 - Generated reports and found solutions to shortcomings; made detailed observations and produced graphs based on experimental findings.
 - Maximized productivity and reduced delays by increasing efficiency and accuracy of data uploads.

Montreal, QC **Teaching Assistant - Environmental Laboratory, Concordia University**

- May.2018
- Jun.2018
- Performed chemical analysis on water/wastewater samples and ensured compliance with all safety regulations and standard operating procedures.
 - Prepared lab for 7 experiments using environmental knowledge and chemistry information (TSS, TDS, pH, BOD, TOC, Acid/Base, Titration, Hardness)

Education

Master of Science, Civil & Environmental Engineering, Jan 2019

Concordia University, Montreal, QC, GPA:3.9/4.3.

Relevant Courses: Greenhouse gases emission & control, Environmental Impact Assessment, The Efficiency of Energy Sources, Fate & Transport of contaminant in the environment, Project management.

Bachelor of Science, Chemical Engineering, 2014

Shiraz University, Fars, Iran, GPA: 3.2/4.3.

Selected Projects

- Strategies to reduce greenhouse gases emission from landfill in Quebec with Landgem software.
- Energy efficiency, CO2 emission of geothermal power production with Retscreen software, Iceland.
- Investigating Environmental impact assessment on dams.
- Simulation of fate and transport of ammonia in groundwater aquifers with Modflow software.
- Simulation of conversion of corn stalk biomass with Aspen software.

Certification

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|---|-------------------------------------|
| ○ Hazardous Waste Disposal & Biosafety | ○ WHMIS 1988 & 2015 |
| ○ Hazardous materials Minor Spills Response | ○ Transportation of Dangerous Goods |