

Sahar Asarnia

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Work History

Building Energy Service Specialist

AME Group, Vancouver (Jul 2024-Nov 2024)

- Authored detail reports for HVAC system designs and hotel projects (system specifications, design calcs, equipment selection, costs and payback) to optimize performance and sustainability
- Managed multiple projects within timeline and budgets, ensuring optimal resource allocation and cost-effectiveness
- Developed innovative mechanical designs for HVAC, and building control systems that met project requirements and exceeded customer expectation in quality and efficiency
- Analyzed energy consumption data to identify trends, inefficiencies, and opportunities for energy savings

Technical Administrator

Shift Clean Solutions, Vancouver (Jan 2023-Dec 2023)

- Provided technical assistance to engineering teams, and collaborated directly with the CTO and stakeholders
- Organized and reviewed energy storage project reports on SharePoint
- Tracked and managed project using Jira to address technical and financial challenges
- Gained hands-on experience in a Li-ion battery lab, focusing on improving performance and safety

Assistant Sales Manager

The Kooples and AllSaints, Vancouver (Aug 2021-Jan 2023)

- Generated over \$1 Million in business revenue
- Achieved monthly best-seller status and maintained highest customer satisfaction rate
- Wrote daily sales reports, supervised sales staff, and managed inventory levels
- Provided exceptional customer service, addressing customer inquiries and resolving issues promptly

Alumni Student Assistant

New York Institute of Technology, Vancouver (Sep 2021-Apr 2022)

- Facilitated connections between students and alumni
- Assisted in fundraising, organized events and meetings

Industrial Engineer

Tagarg Cold Storage Co, Iran (Mar 2018-Sep 2021)

- Developed performance standards, schedules, and program
- Evaluated plant facilities to improve operational efficiency and met the production goals
- Enhanced production efficiency by resolving quality issues

Education

Master of Science Energy Management

New York Institute of Technology, Vancouver (2021-2022)

Master of Industrial Engineering

University of Tehran, Iran (2016-2017)

Bachelor of Science Applied Physics

Azad University, Iran (2009-2014)

Summary

Intermediate Building Energy Specialist with experience in HVAC system projects, including Fairmont hotels, and a dynamic Technical Administrator with a comprehensive background in energy management, industrial engineering, and sales. Proven ability to provide technical support, manage projects, write reports, and oversee documentation within the renewable energy sector. Experienced in driving business growth, achieving customer satisfaction, and improving operational efficiency. Possesses excellent analytical, negotiation, and communication skills, with a track record of leading teams to success. Passionate about leveraging expertise in energy efficiency and sustainability for impactful projects, with strong sales and communication talents.

Skills

EIT (in progress)

RETScreen, eQuest, Jira, Bluebeam, Microsoft Project, Microsoft Office Suite, SharePoint, GoogleDOCS, CRM Building Systems Knowledge (HVAC, Lighting, Energy Storage System) Technical Report writing Documentation Energy Efficiency and Sustainability Engineering Principals Negotiation and Communication Team Leadership Customer Service

Certifications

- ASHRAE (Introduction to HVAC Design and Systems, Load Calculations, Ventilation and IAQ, Psychometrics, Indoor Environmental Conditions for Human Comfort, Humidity Control Design, Essentials of Controls, Central Plants, Ethics for Built Environment, Essential of Controls)
- Excel, Microsoft Project

Academic Experience

- Conducted energy simulation to replace existing ECMs such as DHW, HVAC, and lighting systems via RETScreen and eQuest for a residential building to mitigate GHG emissions, energy consumption and costs.
- Achieved 25% energy savings through a lighting retrofit at the Steve Nash gym, funded by BC Hydro.
- Completed a practicum project on the "Future of Blue Hydrogen" involving a carbon capture technology and performance and cost analysis of various operational plants.