

Sarina Zhao

Power Engineer

Moving to BC

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EDUCATION

Power Engineering Technology Diploma

Edmonton, AB

- ▶ 4th class Power Engineer with 3 papers on the 3rd class and completed steam time(A-90751)
- ▶ NAIT Student Awards of Excellence and BMO Scholarships, member of Power Engineering club

NAIT

Aug 2016 - Aug 2018

Post-Graduate Diploma in Management

Leysin, Switzerland

Swiss Hotel Management School

2015-2016

WORK EXPERIENCE

Plant Engineer | Fairmont Banff Springs

Dec 2018 - Present

- ▶ Safe operation of the plant which includes operating boilers, pumps, compressors, chillers, cooling towers, HVAC systems and refrigeration systems both in the control room and the field
- ▶ Perform preventative maintenance and repairs on equipment and ensure optimal efficiency and safety
- ▶ Communicate efficiently with other shift engineers and different departments
- ▶ Troubleshoot any system or equipment problems, respond to alarms, isolate and perform LOTO
- ▶ Perform water tests and add chemicals accordingly
- ▶ Proficiency in computers and record keeping, maintenance management, material and supply ordering and filing of various forms.

Hydrogen Gas Plant Operator | Air Products

May 2018 - Aug 2018

- ▶ Monitor and control hydrogen gas compression, metering and remote valve facilities on the DCS to ensure the required gas volumes, pressures meet the customer's demand
- ▶ Operate the pipeline, make sure the gas is safely transported and maintain excellent customer service
- ▶ Understand procedures and perform safety, environmental and regulatory responsibilities.
- ▶ Issuing Safe Work Permit(GWP/JSA/Hot Work/Confined Space/Elevated Work)
- ▶ Perform LOTO and ensure the equipment are properly Locked Out
- ▶ Work 12-hr rotating shifts which require good physical stamina

Student Plant Operator | NAIT Power Lab

Aug 2016 - Aug 2018

- ▶ Learn PLC and DCS systems and ensure safe and reliable operations of the systems
- ▶ Knowledge of ammonia refrigeration systems
- ▶ Maintain operator logs and documentation in a legible and accurate manner including plant rounds checklist, operator logs, maintenance records as well as safety and environmental reports
- ▶ Operate Water Treatment Plant and perform water tests, monitor and inject chemicals accordingly.

Guest Relations Supervisor | Ayana Resort and Spa Bali

May 2015 - Apr 2016

- ▶ Ability to handle multiple priorities, challenging demands in a positive but dynamic work environment
- ▶ Lead the team members, supervise work process, make schedules ensure smooth communications
- ▶ In charge of the Emergency Response Program and ensure the safety of all the guests
- ▶ Ensure excellent customer service standards and customer satisfaction

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Event Manager/Recruiter | Thirst

2014 - 2015

- ▶ Analyze water problems and crises in China and work closely with water experts to find environmental solutions and create presentations on water conservation and treatment
- ▶ Organize team meetings for event ideas, produced event proposal and liaised with different department
- ▶ Raise environmental awareness of the public, especially on children and young adults. Public Speaking.
- ▶ Recruit staff and provide training, directions, mentorship, and supervision

SAFETY TICKETS

- ▶ WHMIS First Aid TDG Confined Space

(more safety tickets could be obtained if needed)

VOLUNTEER EXPERIENCE

- ▶ Power Engineering representative student at NAIT Open Day
- ▶ Income Tax volunteer at University of Regina
- ▶ English Teacher at various locations
- ▶ Multilingual, proficient English coach helping foreign students

REFERENCES

- ▶ Ron Lucas

Site Supervisor at Air products
Ronlucas100@gmail.com
780-918-4033

- ▶ Julie Zhu

Direct Trainer/ 2nd Class Power Engineer at Air Products
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- ▶ James Olson

Instructor at NAIT/Former Competency Supervisor at Suncor
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