

Lex Kao

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Studying in BCIT Power Engineering 4th class online course. Earned a diploma in Environmental and Chemical Technology in BCIT and a bachelor degree in Mechanical Engineering in the Top 2 university in Taiwan. Seeking to leverage my technical and professional expertise to learn and grow in the new role of Engineering at your company.



Experience

2018-06 - present

● Wiring/Assembly Technician

IEM Canada

Read, interpreted and followed basic diagrams, engineering drawings, specifications, bills of materials, and other instructions or procedures to assemble materials and equipment

Used multiple measuring devices such as scales, feeler gauges, rulers, micrometers, calipers tee square, machinist square and tape measure

Punched, jigged layout of enclosure doors or enclosures

Fabricated and installed bus bar sections per drawings or instructions

Assembled LV and MV switchgear and other electrical equipment

Wired of control panels and switchgears

Mounted and troubleshot electrical components including circuit breakers, switches, transformers, relays, contactors, terminals, input/output devices

2018-05 - 2018-06

● Laboratory Technician (Practicum)

Terrapure Environmental

Tested the presence of PCB and FATS (LUX) for used oils

Determined viscosity, flash point, and water content for base oils and used oils

Determined the concentration of certain elements such as P, Si, V, Cd, Cr, and As on ICP-OES for oils

Housekept laboratory hygiene and filed the documents of analysis result of all products

2016-10 - 2017-06

● Tutor

Organized and instructed fundamental concepts in physics, chemistry, and math for a Grade 12 student.

Helped the student choose a program from universities according to his relevance of info and qualification by analyzing the different program's features.

2016-04 - 2016-08

● Barista

Safeway Starbucks

Managed inventory.

Interacted with customers.

Sanitized machinery and work area.

2014-08 - 2015-07

● Chief Counselor (Second Lieutenant)

Taiwan Army

Resolved conflicts and interpersonal problems in the company (military unit) .

Provided psychological consultation and support to stressed soldiers and sergeants.

Facilitated communication among soldiers and officers every week.

Assisted the commander to lead a 150-soldiers company.

Ensured safekeeping for weapons and ammo.

Designed and organized entertainment activities for special events or holidays such as Lunar New Year



Education

2018-06 - present

● BCIT, Power Engineering 4th class, Certificate

Completion of 4th class Part A course with 79%

2016-09 - 2018-05

● BCIT, Chemical & Environmental Technology, Diploma

Extracted gold or PGM by fire assay technique

Measured the quantity of certain elements such as copper in a sample by various instruments such as AAs, ICP, GC, and HPLC

Determined the amount of organic wastes including protein and carbs in an effluent by spectrophotometry method

Distinguished the organic classifications of unknown sample using IR spectroscopy

GPA: 86%

2010-09 - 2014-06

● National Chen Kung University, Mechanical Engineering, Bachelor

Built some simple applications by C++

Designed some simple 3D mechanical gears using SolidWorks and AutoCAD

Simulated the mechanical behaviors such as stress and strain of the objects for a final project by finite element analysis using ANSYS

GPA: 3.32



Licenses

2018-11

● Certificate of Qualification Examination of 4th Class Part A with 80%

2016

● First Aid Attendant Certification level 1

2016

● WHIMIS online examination

● Class 5 BC driver's license



References

● Patrick Lau, IEM, Plant Manager
Email: patrick.lau@iemfg.com

● Martin Mankowski, Terrapure Environmental, Lab Supervisor
Email: mmankowski@terrapureenv.com
Phone: 604-982-2371

● Bob Bower, BCIT, Physical Chemistry Instructor
Email: bbower@bcit.ca
Phone: 604-456-8137

● Elaine Woo, BCIT, Fire Assay Instructor
Email: Elaine_Woo@bcit.ca
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● Hsin Kuo, PhD, Organic Chemistry Instructor, BCIT

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