

# DAVID YANG

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## Highlights of Qualifications

- B.Sc. in Mechanical Engineering from University of Alberta and member of APEGA as an EIT
- Working knowledge of various Canadian engineering codes (including CSA B51 & B149.1)
- Experienced in CAD modeling SolidWorks 2015 and AutoCAD 2015
- Completed CSTS and WHMIS training certifications with clean driver's abstract
- Established in using MS Excel, Word, and Project, as well as ability to program in MATLAB
- Knowledgeable in MYSQL, HTML, CSS, and JavaScript

## Education/Training

### **Pipe Fracture Mechanics ENME 619** (*University of Calgary*) 2017

- Graduate course on fracture mechanics with investigation into material behaviour and selection
- Established involved understanding of ASTM, ISO, and BS fracture mechanics testing procedures

### **B.Sc. in Mechanical Engineering** (*University of Alberta*) 2011 - 2015

- Experienced in using SolidWorks for mechanical design and creating drawing schematics
- Demonstrated knowledge in motor sizing and flow rates with bid tabulations in HVAC design project
- Constructed drawings and Bill-Of-Materials for commercial and residential buildings
- Interpreted P&IDs for process engineering and understanding of ASME schedules, standards, and material selection for steam and sour service for MAWP and PSV and Valve sizing calculations

### **ASME B31.3 Workshop Class** (*CASTI, Calgary, Alberta*) 2013

- Examined impact testing with case studies of pneumatic vessels and codes interpretation
- Involved discussions on liability in ASME B31.3 around fatigue and operations of pipelines

## Work Experience

### **QC Assistant** (*Bidell Gas Compression, Calgary, Alberta*) 2012

- Reviewed MTR according to ASME Section II, NACE MR0175, and company QC procedures
- Maintained QC documentation in office, created workshop procedures
- Assisted QC manager in creating WPS, QC manual, and heat treatment procedures
- Enhanced quality control by being flexible and precise in a team environment

### **Personal/Private Tutor** (*MathPro Learning Centre, Calgary, Alberta*) 2015-Present

- Engaged and planned student lessons with creativity in teaching and interpreting student needs
- Established rapport with students with courses and on studying methods and planning
- Deciphered student needs and solved symptoms at root with previous or extra review on subjects

### **Hub HCA Cashier** (*University of Alberta Residence Services*) 2012 - 2013

- Instigated in responsibility for rentals, waivers, sign-in/out procedures, and handling of forms
- Engaged in professional customer service with peers and students

### **Bicycle Salesperson and Mechanic** (*Ridley's Cycle, Calgary, Alberta*) 2015-Present

- Proactively engage customers in professional conversations and promoting product education
- Working with salespeople and manager to engage customers in bicycle maintenance conversations and aid in product selection with up-to-date cycling technologies
- Understanding of booking and maintaining work orders while prioritizing urgent tasks

## Volunteering Experiences

### **Bicycle Mechanic/Volunteer** (*Sustain SU, Edmonton, Alberta*) 2012-2015

- Achieved volunteer of the month by engaging in duties above and beyond requirements
- Developed dedicated teamwork and communication skills for effective customer service