

CURRICULUM VITAE

Ashley S. Beckman

B.Sc, E.I.T

ACADEMIC QUALIFICATIONS

2010 **Bachelor of Science Materials Engineering**
University of Alberta

PROFESSIONAL ASSOCIATIONS

Member-in-Training, Association of Professional Engineers, Geologists, and Geophysicists of Alberta (APPEGA)

Member, ASM International

CONFERENCES, MEETINGS AND TECHNICAL TRAINING

- *Welding Processes and Microstructure, Failure Analysis and Inspection Techniques of Welds*, ASM International, Edmonton, Alberta, February 2012
- *Industrial/Commercial End-user Fall Protection Program*, Edmonton, Alberta, November 2011
- *Metallography Seminar*, ASM International, Edmonton, Alberta, 2009

WORK EXPERIENCE

Anderson Associates Consulting Engineers Inc.

08/2012 - present

Materials Engineer in Training

Edmonton, Alberta

- Materials failure analysis on mechanical parts and equipment including oilfield downhole tools, drill pipe, steel pipelines and composite polymer pump components
- Metallurgical analyses - sample preparation, microstructure and hardness testing
- Non-destructive evaluation including ultrasonic thickness testing and MIC10 hardness testing
- Quality assurance testing and procedures
- Materials testing and selection
- Failure investigations on components including pumps, plumbing lines and hydraulic cylinders
- Corrosion analysis
- Structural damage assessments and reviews of repairs

Robert Bosch Kft. - Automotive Electronics Interfaces

07/2010 - 02/2011

Intern

Budapest, Hungary

- Helped prepare and execute Design of Experiment for new methods of pin insertion into printed circuit boards which examined effect of different variables on of electronic interface connection.
- Performed different tests of evaluate electronic connections and metallurgical/mechanical bonds formed in the pressfit zone.
- Prepared metallographic samples of pins and PCB boards
- Manual insertion of pins into PCB boards.
- Edited reports in English for senior engineers
- Presented findings to head office in Stuttgart, Germany

Anderson Associates Consulting Engineers Inc.

2007 - 2010

Engineering Student & Materials Engineer in Training

Edmonton, Alberta

- Metallographic sample preparation for materials failure investigations
- Quality assurance testing and preparation of corresponding technical reports.
- 2D and 3D PowerCADD drawings.
- Supervision of offsite contractor testing
- On-site documentation of failures
- MVA surveys
- Training of new laboratory staff
- Weld coupon evaluations