

# MEGAN SHERSTAN

**BSc., E.I.T.**

## EDUCATION

University of Alberta  
MEng., Engineering Management, in progress

University of Alberta  
BSc., Materials Engineering, 2009

## WORK EXPERIENCE

**Anderson Associates Consulting Engineers Inc.** Sept. 2009 – Present  
Materials Engineer-in-Training/Metallurgical Laboratory Supervisor  
Edmonton, Alberta

- Material failure analysis on mechanical parts and equipment including oilfield downhole tools, drill pipe, steel/polymer/glass fiber reinforced pipelines, and welded components.
- Metallurgical analysis including microstructure and coating evaluation, microhardness testing, and weld assessment.
- Corrosion analysis and testing.
- Quality assurance testing and procedures.
- Heat treatment of carbon, alloy, stainless steels and nickel alloys.
- Materials testing and selection.
- Failure investigations on components including gas lines, filters, and plumbing lines
- Non-destructive evaluation.
- Motor vehicle accident reconstruction.

**Blade Energy Partners, Ltd.** May – Aug 2008  
Engineering Intern  
Houston, Texas

- Coordinated corrosion testing for sour service drilling materials.
- Assisted in the research and development of a drilling materials database.
- Developed a laboratory space for failure analysis.
- Participated in weekly engineering progress meetings.
- Formal presentation to engineers outlining new laboratory space and corrosion test results.

**Anderson Associates Consulting Engineers Inc.**  
Engineering Student  
Edmonton, Alberta

May – Aug. 2006  
May – Aug. 2007

- Conducted quality assurance testing.
- Metallographic sample preparation.
- Assisted in motor vehicle accident (MVA) reconstruction investigations.
- Surveyed roadways for MVA examinations.
- Prepared PowerCADD drawings for MVA investigations.
- Metallurgical sample preparation and testing for material failure analysis.

### **PROFESSIONAL ASSOCIATIONS**

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

Member, ASM International