

GUS OMER

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EDUCATION

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|--|-----------|-------------------------------------|
| Brigham Young University | Provo, UT | 9/2005 – 12/2005
9/2008 – 4/2012 |
| <ul style="list-style-type: none">• <i>Mechanical Engineering B.S.</i>• GPA 3.6/4.0 | | |
| Rensselaer Polytechnic Institute | Troy, NY | 9/2012 – 2016 |
| <ul style="list-style-type: none">• <i>Biomedical Engineering Ph.D.</i> – Anticipated Graduation in 2016 | | |

WORK EXPERIENCE

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| QA Engineer | AccessData Group | Lindon, UT | 6/2008 – 9/2012 |
| <ul style="list-style-type: none">• Develop and carryout testcases for the Accessdata flagship product – Forensic Toolkit• Communicate and coordinate with developers to fix bugs in code• Maintain and report on daily progress• Wrote automation code using AutoIT software to reduce time needed to test the file filtering feature by more than 50% | | | |

RESEARCH EXPERIENCE

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| Research Team Member | John Deere Power Systems | Provo, UT | 9/2011 – 5/2012 |
| <ul style="list-style-type: none">• Researched fuel flow through the mechanical fuel transfer pumps of 13.5L engine in order to understand leaks• Designed test stand to mimic flow through these fuel pumps without the need of the actual engine• Finishing test stand construction, drawing packages and user manuals for delivery to John Deere Power Systems by April 20, 2012 | | | |
| Research Assistant | Brigham Young University | Provo, UT | 1/2011 – 4/2011 |
| <ul style="list-style-type: none">• Designed and implemented automation for a biogas conditioner that is currently in use in Jinshan, China• Wrote automation program for Allen-Bradley Micrologix 1100 PLC that simultaneously monitors and controls over 15 components | | | |
| Research Assistant | Brigham Young University | Provo, UT | 1/2012 – 4/2012 |
| <ul style="list-style-type: none">• Designed and built an apparatus to induce burst fractures in spine segments• Set up high-speed cameras to film the fractures as they occur• Analyzed the spine segments and high speed footage in order to gather kinematic information about the fracture | | | |

OTHER EXPERIENCE

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| Volunteer Representative | The Church of Jesus Christ of Latter-day Saints | Quebec, Canada | 2/2005 – 2/2007 |
| <ul style="list-style-type: none">• Provided leadership, supervision and training for 14 volunteer representatives• Taught English as a second language to classes ranging from 5 to 40 people in size on a near-weekly basis• Traveled to present training on communication, goal setting and skill development to other volunteers | | | |

SKILLS

Computer 3D CAD modeling experience in NX. Experienced using Matlab, C++ and MS Excel as tools to analyze and solve engineering problems.

Language Read, write and speak French