

# TREVOR J. TERRILL

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## Education

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- Texas A&M University, College Station TX** Aug. 2012 - Present  
Ph.D. in Mechanical Engineering
- Expected Graduation: August 2017
- Brigham Young University, Provo UT** Sept. 2006 - April 2012  
B.S in Mechanical Engineering
- Cumulative GPA: 3.99/4.00
  - Summa Cum Laude

## Work Experience

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- Student Technician** Aug. 2012 - Present  
Industrial Assessment Center, Texas A&M University, College Station TX
- Analyze various manufacturing processes and identify energy reduction measures
  - Research methods to improve energy efficiency in industrial processes
- Research Intern** May 2011 - Aug. 2012  
Renewable Energy Technology, Idaho National Laboratory, Idaho Falls ID
- Researched improvements in biomass preprocessing techniques
  - Developed software data analyses tools to evaluate laser induced breakdown spectroscopy as a potential biomass screening tool
  - Participated in a system-wide safety culture
- Design Intern** Aug. 2011 - April 2012  
Engineering and Technology Startup, Brigham Young University, Provo UT
- Designed and built working prototypes of new and innovative products
  - Modeled and created drawings of products using SolidWorks
- Professor's Assistant – Dynamics and Mechanics of Materials** Aug. 2010 - Dec. 2011  
Brigham Young University, Provo UT
- Tutored students in principles of dynamics and mechanics of materials
  - Graded exams, quizzes, and homework, providing feedback to students
- Professor's Assistant – Dr. John Lamb** Jan. 2007 - April 2007  
Brigham Young University, Provo UT
- Improved course curriculum by expanding quiz database for undergraduate chemistry course
  - Worked unsupervised under direction of professor

## Volunteer Experience

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- Mentored Research – Dr. Matthew Jones** Sep. 2011 - Apr. 2012  
Brigham Young University, Provo UT
- Developed and ran models of a thermal diffusivity system in CFD software
  - Performed work leading towards a publication and assisting a Master's thesis
- Activities Chairman** Jan. 2011 - Jan. 2012  
Tau Beta Pi, Utah Beta Chapter
- Organized and executed activities for the engineering honor society
  - Served on the leadership council to facilitate the success and growth of the chapter
- Volunteer Missionary** May 2007 - May 2009  
Moscow Russia, The Church of Jesus Christ of Latter-day Saints
- Translated regularly between Russian and English languages
  - Organized and conducted meetings for 40+ fellow representatives
  - Trained new representatives in Russian language and responsibilities