

# Thomas A. Salt

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- OBJECTIVE** Investigate potential employment in field of energy systems and combustion engineering
- EDUCATION**
- Brigham Young University** Expected Graduation April 2009  
Master of Science in Mechanical Engineering  
Emphasis in combustion and thermodynamics  
Thesis work in oxy-enhanced diesel combustion
- University of Missouri-Rolla** GPA: 3.9/4.0  
Bachelor of Science in Mechanical Engineering Dec. 2006  
Electives: Internal Combustion Engines, PLC Programming
- Truman State University** Kirksville, MO GPA: 3.9/4.0  
Bachelor of Arts in Physics Dec. 2006
- EXPERIENCE**
- Associated Electric Cooperative Inc.** Thomas Hill, MO  
*Temporary Engineering Aide* Feb.-Aug. 2007
- \* Assembled specifications and solicited bids for installation of acoustic monitoring system on a 700 MW coal-fired boiler
  - \* Priced valve automation for seal steam system on 300 MW generator
  - \* Audited and expedited materials for selective catalytic reducer (SCR) construction and electrostatic precipitator rebuild on 700 MW boiler
- Engineering Intern* May-Aug. 2005
- \* Developed equipment databases for preventative maintenance purposes at a coal-fired power plant
  - \* Investigated options for testing and maintenance of emergency diesel generator
- City Utilities of Springfield, Missouri**  
*Engineering Co-op* Aug. 2005-Jan. 2006
- \* Designed and implemented gas and water services for commercial properties and residential developments
  - \* Duties included assessing sites for ease of utility installation, sizing and selecting equipment to install, creating AutoCAD utility drawings, generating cost estimates for customers
- Missionary Service** Budapest, Hungary Jan. 2001-Dec. 2002  
*Volunteer Missionary*
- \* Taught free English classes and performed community service
  - \* Served in leadership roles within the mission
- PROFESSIONAL SOCIETIES** American Society of Mechanical Engineers  
Tau Beta Pi Engineering Honor Society  
Eagle Scout, Boy Scouts of America
- COMPUTER** AutoCAD Unigraphics Fluent Matlab Fortran LabView
- LANGUAGES** Spanish intermediate proficiency, Hungarian fluency