

Michael Forsberg

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Objective:

To obtain a full-time mechanical engineering position that promotes professional development and challenging career opportunities.

Education:

Texas A&M University, College Station, TX

- **Master of Science, Mechanical Engineering**, December 2007 (GPA – 3.1)

Oklahoma State University Stillwater, OK

- **Bachelor of Science, Mechanical Engineering**, May 2005 (GPA – 3.6)
- Engineer in Training (EIT) May 2001

Work Experience:

Graduate Research Assistant College Station, TX (September 2005 to Current)

Conducted work previously under Dr. Luis San Andres and currently under Dr. Dara Childs on hydrostatic thrust bearing test rig. Work included the following tasks.

- Design of thrust bearing test rig in conjunction with additional graduate student
- Oversaw the bidding and inspection upon receiving of test rig parts
- Assembly of test rig and integration with previously existing components
- Troubleshooting of thrust bearing test rig
- Collection of static test data for hydrostatic thrust bearing and comparison with predictions obtained from previously developed model
- Supervised undergraduate worker

Undergraduate Research Assistant Stillwater, OK (June 2003 to January 2005)

- Assisted in bringing HVAC test room online under Dr Daniel Fisher
- Creating control interfaces for data collection
- Instrumentation installation
- Computer repair and programming

US Marine Claremore, OK (Summer 2001/2002)

- Preparing parts for painting
- Assembling electrical systems and axles
- Bending boat trim

Stage Department Stores Claremore, OK (May 2000 to March 2001)

- Assisted Customers
- Trained New Employees

Projects:

Undergraduate Capstone: Optimization of electric propulsion system for use in the Oklahoma State University 2005 entry in Cessna Design/Build/Fly contest.

- Development of propeller and motor efficiency curves
- Component matching for specified mission
- Testing of final propulsion system
- Reporting final results of testing

Skills:

Computer: Pro Engineer 2001, SolidWorks 2005, Visual Basic, C++, FORTRAN, MatLab, & MathCad
Other: Auto mechanic work, Aircraft restoration <ultralights>, & Major home repairs/electrical wiring

Graduate Coursework:

Mechanical Vibrations
Nonlinear Vibrations
Lubrication Theory
Vibration Measurement in Rotating Machinery
Special Topics in Corrosion
Rotordynamics
Special Topics in Rotordynamics
Theory of Finite Element Analysis

Honors and Activities:

Oklahoma State Regents for Higher Education Scholar
Oklahoma Academic Scholar
American Society of Mechanical Engineers
Pi Tau Sigma Honors Fraternity (Oklahoma State Chapter)
Tau Beta Pi Honors Fraternity (Oklahoma State Chapter)

Available:

January 2008