

# John Houdek

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## OBJECTIVE

Seeking internship within the field of Mechanical Engineering. Seeking to enter workforce after graduation as E.I.T. and later to become P.E.

## EDUCATION

**Texas A&M University**, College Station, Texas  
B.S. in Mechanical Engineering  
Minor in Spanish Language Studies  
Overall GPR: 3.108

Graduation December 2014

### Relevant Coursework

- Statics and Dynamics
- Materials Science
- Mechanics of Materials
- Mechanical Measurements
- Thermodynamics
- Principles of Electrical Engineering
- Numerical Methods and Analysis
- Fluid Mechanics
- Materials and Manufacturing Selection in Design
- Dynamics and Vibrations
- Dynamic Systems and Controls
- Statistics
- Heat Transfer

**Lake Dallas High School**, Lake Dallas, Texas  
Graduated Valedictorian from class of 275

Graduation May 2010

## EXPERIENCE

**Texas A&M University – Industrial Assessment Center**, College Station, TX  
*Student Technician*

April 2012 – Present

- Worked on energy audits of mid-range manufacturing facilities
- Experience as project lead, drafting, revising, and editing reports for surveyed clients
- Helped save audited companies money on utility bills by improving efficiency, minimizing waste, and increasing productivity
- Trained to improve efficiency and save energy in various areas of facility and plant operations, including compressed air usage and efficiency, industrial lighting, and steam systems

**The Home Depot**, Lewisville, TX and College Station, TX  
*Lot Loader*

June 2011 – December 2011

- Responsible for maintaining the cleanliness of parking lot and providing customer service
- Assisted customers with loading large or heavy purchases into their vehicles

**Lake Dallas Independent School District**, Lake Dallas, TX  
*Technology Department Intern*

June 2010 – August 2010

- Installed new computers and equipment in school district
- Provided technical support to solve faculty and staff computer problems

**Academy Sports and Outdoors**, Lewisville, TX  
*Footwear Sales Associate*

June 2010 – July 2010

- Maintained a clean and orderly store environment
- Assisted customers in finding the right product for their needs

## ACTIVITIES

**Aggie Green Fund**  
*Information Chair*

August 2012 – Present

- Work on a board of students, staff, and faculty to manage, evaluate, and distribute funds to sustainability projects at Texas A&M University
- Promote sustainability efforts and education about environmental issues

### **Residence Hall Association**

*RHA Executive Council Chief of Staff*

May 2012 – Present

- Works with campus-wide RHA council on university affairs
- Involved with University leadership on issues that affect and influence residence hall living
- Leader in campus-wide organization behind RHA President and Exec. VP

*Hall Council President*

September 2011 – May 2012

- Lead council of student residents within hall to communicate and address student concerns to the university
- Work within parent organization (R.H.A.) to make decisions on issues concerning student living on campus as a whole

### **HONORS**

#### **Eagle Scout – Troop 208, “Lake Cities”, Texas**

- Highest rank awarded to a Boy Scout in America

#### **Sigma Alpha Lambda**

- National Leadership and Honor Society
- Selected due to outstanding academic record

### **SKILLS**

- Trained in the “Fundamentals of Steam Utilization” by the Spirax Sarco steam company
- Familiar with AutoCAD, SolidWorks, Simulink, and National Instruments LabView
- Proficient with MATLAB and MS Office
- Intermediate proficiency in Spanish (able to speak and write at a conversational level)