

# NAME

LeTourneau University, P.O. Box 7001, Longview, TX 75602

email

(xxx) xxx-xxxx

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*Seeking a career opportunity in the field of engineering technology. Creative, problem solving individual, who works well in teams. Easily incorporates new ideas, tools, and principals. Have 3D modeling design experience.*

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## EDUCATION:

B.S. in Engineering Technology (Mechanical)  
LeTourneau University, Longview, TX  
Graduation Date:  
GPA:

## PROFILE:

### **Engineering Intern:** *Company, City, State (date)*

- Analyzed several design improvement studies for Cummins Diesel Engine
- Completed Layouts for PPAP (Production Part Approval Process) approvals, and was heavily involved in several continuous improvement studies
- Lead a three person group to determine a solution for parts being damaged during handling. Prior to shipping, 30% of fuel injectors for Cummins Diesel were being damaged. Was responsible for the redesign of handling process/hardware which reduced this loss by 80%

### **Design:**

- Designed an intake manifold using AutoCAD. Measured flow of original intake manifold, and designed new one to have higher air flow intake. Fabricated manifold and successfully installed it. Tested manifold on a dynamometer and increased engine output by 15 horsepower.
- Team Lead of a three person group for the design, construction, and programming of four NXT robots. Robots were able to perform a variety of tasks. Tasks included utilizing sensors to seek and recover objects and the testing of various components.

### **Manufacturing:**

- Have experience in manufacturing processes using lathes, milling machines, drill presses, metalworkers, sheers, and several welding processes.

### **Leadership:**

- Gained experience in leadership while serving as team lead of a three person team which constructed an automatic recyclable waste sorter. Gained experience in working with materials such as aluminum and steel
- Currently serving as a lab assistant in the machine tool lab. Overseeing safe use of equipment by the students, and instruct students in proper use of lathes.

### **Computer Skills:**

- SolidWorks, AutoCAD, Autodesk Inventor, LabVIEW, Microsoft Office Suite, and Adobe Photoshop.

**Summary:** Developed sound skills in understanding design, teamwork processes, and design implementation. Have refined problem solving skills, experienced the engineering process, wrote reports, and presented results.

## ADDITIONAL EXPERIENCE:

### **Drafting Designer:** *Company, City, St (dates)*

- Drew CAD models, solved design problems, changed system from hardwire to multiplexing. Also completed center of gravity analysis.

### **Resident Assistant:** *School, Department, City, State (dates)*

- Provide guidance, mentorship and supervision for a floor of 55 students
- Plan and organize floor events and meetings
- Provide financial management of floor funds
- Serve as liaison between students and administration about discipline issues

## HIGHLIGHTS:

Dean's Scholarship recipient (LeTourneau University)  
IMPACT (Member of student leadership team which planned and implemented freshmen orientation events)  
Student Foundation (Served as a liaison between the president's office and the student body)  
Mission Trips to Dominican Republic