

O'Neal Galbraith

Mechanical Engineer

615.424.9400

onealgalbraith@gmail.com

Work Experience

Farm, LLC - Farm Engineer 2017 thru present - Leiper's Fork, TN

- Maintain 300 acre property
- Operate and repair heavy equipment including tractors, mowers, etc.

DeGrauw Electric - Internship 2016 - Nashville, TN

- Applied engineering and problem-solving skills to perform electrical work sub-contracted from Nissan of North America
- Assembled electrical systems such as star rail, plugs, and breaker boxes
- Operated construction equipment including fork lifts and boom lifts

Galbraith Paving - Part-time 2013 – 2017 - Brentwood, TN

- Performed asphalt seal coating and crack repair to prevent oxidation and wear
- Operated machinery for parking lot line striping

Apollo USA - Apprentice 2012 - Franklin, TN

- Collaborated with national account teams including General Motors and Pepsi Cola
 - Contributed to construction of open conveyer belt microwave oven projected to be the largest assembled in the world
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Education

University of Tennessee Knoxville

2013-2017

Bachelor of Science in Mechanical Engineering
Departmental GPA of 3.31

Aerospace Engineering Minor

Goal: To make the world a better place by finding solutions to existing problems and creating innovative design.

Engineering projects include:

- Finite element analysis: Applied numerical methods to solve a temperature distribution problem. Created mesh, matrix, and used multiple solving methods.
- Senior Design: Invented self-dispensing beverage machine that utilizes a cost per ounce model.

Coursework in machine design, mechanics, aerodynamics, propulsion, statistics, dynamics, electricity & magnetism, material science engineering.

Skills: Data Interpretation, Group Leader, MATLAB, SolidWorks, Fabrication, Microsoft Excel

Hobbies: Model aviation enthusiast, pursuit of private pilot license, fishing, hiking

Member of AIAA: American Institute for Aeronautics and Astronautics