

# Joshua Daugherty

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## Objective

Looking for a profession that more effectively uses my skill in design, additive manufacturing, and solving impossible problems.

## Work Experience

LP3 Solutions, Mechanical Engineer October 2020 – May 2021

- Worked on design strategies to improved Comfort, Compliance, and Cost for clients
- Communicated with control contractors to build control system environments
- Acquired data from field measurements on Retro-Cx projects
- Generated reports on savings opportunities, life cycle cost, analysis, and implementation

IAC Energy Assessment, Lead Student January 2018 – May 2020

- Worked with the IAC department at various plants to find energy saving opportunities
- Learned how to navigate plant operations and personnel
- Analyzed data and compiled reports into simple but detailed recommendations

## Education

Tennessee Technological University, Cookeville, Tennessee GPA: 3.6  
(BS) Bachelor Science in Mechanical Engineering Graduation: May 2018  
(MS) Master Science in Mechanical Engineering Graduation: May 2020

## Projects

Senior Design Project August 2017 – May 2018

- Lochinvar project to design a more effective heat exchanger
- Modeling in ANSYS fluent, with emphasis in heat transfer and fluid mechanics
- Gained experience in communication and collaboration with teammates

SEDS Pneumatics Project Team Lead February – May 2018

- R&D project to optimize nozzle shape for supersonic expansion
- Set and achieve goals for myself and others as a team leader
- Worked with other team leaders to decide nozzle specifications and requirements

## Skills

### CAD/Simulation

Fusion 360  
SOLIDWORKS  
AutoCAD  
ANSYS fluent

### Programming

VBA  
HTML  
Python  
C++

### Other

LabVIEW  
MATLAB  
R  
Blender

### Soft Skills

Critical Analysis  
Intellectual Curiosity  
Self-Motivation  
Problem Solving