Anthony Morris | anthony.s.morris2@gmail.com **|** ***Scan QR Code for more information***
Secret Security Clearance – *Active* / *Green Belt Certification*- UAH 08/2020

Mechanical Engineer interested in exploring all aspects of Finite Element Analysis, Computational Fluid Dynamics, and Computer Aided Design.

EDUCATION

Alabama A&M University
B.S., Mechanical Engineering/ Concentration: Nuclear Systems
Graduated: December 2020

Jefferson Davis Community College
A.S., General Science
Graduated: May 2015

EXPERIENCE

Diageo* | *Bourbon Production Expert, Louisville KY ***March 2021 - Present***

- This role involves analyzing food-grade mechanical processes by controlling, monitoring, and optimizing all distillery processes to include Dried Distilled Grains via dry house operation, and warehousing processes.
- Maintained automated production recording, management reporting systems through SAP (1)
- Daily tasks consist of supporting consistent approaches for Key Performance Indicators of the following: safety; quality; product cost management; and ensuring safety accuracy standards and completeness of all production processes and inventory paperwork.
- Additional duties include troubleshooting, inspecting, diagnosing, adjusting, testing, maintaining, and cleaning all facility equipment (i.e., mechanical, electrical, digital, and pneumatic equipment), as well as analyzing and repair PLC programming (2) logic as required.

United States Army Reserve | Combat Medic, Mobile, AL ***March 2016 - Present***

- Maintain and update medical records of soldiers; submit medical information in medical software, Med Pro (3)
- Attend monthly battle assemblies for soldier training and field preparation activities to ensure that the soldiers were well prepared for life threatening situations

Auburn Research Center | Design Engineer, Huntsville, AL - (Internship) ***August 2019 – December 2019***

- Designed parts using Creo (4) that were used to improve circuits; work was done under my security clearance.
- Submitted weekly reports using Microsoft Applications (5)
- Cross-trained with electrical engineers to learn and research fundamental principles needed to complete projects

SPECIAL PROJECTS

Novel Shell-and-Tube Thermosyphon Heat Exchanger ***Fall 2019 – Spring 2020***

- Technical lead on a team of three that created a 3D model of a heat exchanger with 5 baffle configurations for a DEWCOOL system.
- Compared simulation results against the two previous designs and determine efficiencies via SolidWorks (6) and ANSYS (7)
- Evaluated the velocity and temperature distribution throughout Novel Shell-and-Tube Thermosyphon Heat Exchanger to determine pressure drop, air velocity, design efficiency, and stress on the system
- Used computational simulation determine overall heat transfer rate and pressure drop through the system
- Prepared status reports for weekly meetings and conduct data analysis to determine the best course of action

CERTIFICATIONS & TECHNICAL APPLICATIONS

***Software Design Applications*:** Creo (4); SolidWorks (6) ; ANSYS (7) (WorkBench and Fluent) ; OpenFOAM; Siemensnx; Aveva
***Computer Programming*:** PLC Programming Logic (2); Linux; Python
***Work Process Software*:** System Application and Products in Data Processing **(**SAP) (1); Microsoft Applications (5) (Outlook; Word; Excel; PowerPoint; Visio; Adobe Acrobat)