

Moses M. Vani

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Objective

I am a self-motivated and detail oriented recent mechanical engineer graduate student with years of experience in HVAC and construction. I am seeking a position where I can apply my knowledge and work ethic to become an asset to the organization.

Education

MECHANICAL ENGINEER UNIVERSITY OF CENTRAL FLORIDA <ul style="list-style-type: none">· Master's degree Mechanical Engineering (Thermo-fluid)	MAY 2022
MECHANICAL ENGINEER UNIVERSITY OF CENTRAL FLORIDA <ul style="list-style-type: none">· Bachelor's degree Mechanical Engineering	DECEMBER 2019
ASSOCIATE DEGREE EASTERN FLORIDA STATE COLLEGE <ul style="list-style-type: none">· Major: General Associate of Art	MAY 2012

Engineering projects

Senior design <ul style="list-style-type: none">· Distributed Electric Propulsion (DEP) AUV· Responsible for motors, propellers, ESC, controllers, receivers and CAD design.	June 2019
Boeing Rocket competition at Kennedy space center <ul style="list-style-type: none">· Team lead overseeing day-to-day project activities.· Assign tasks according to individual strength to reach our design requirements and deadlines.· Set clear team goals and monitor team performance and reports.	February 2019
Boeing flight competition at national society of black engineering convention <ul style="list-style-type: none">· Team member responsible for prototype, design analysis and production.· Procurement lead for parts and tools for design purposes.	March 2018

Skills & Abilities

- Proficient with Microsoft Office application tools. Word, PowerPoint and Excel.
- Knowledgeable experience in C, and ability to Code in MATLAB and Mathcad.
- HTML, CSS, JavaScript, Bootstrap,
- Proficient in SOLIDWORKS drawing Ansys and XFLR5.
- Strong problem solving and organization skills to gather information from multiple sources for the purpose of developing alternative solutions to repair and maintenance issues.
- Ability to read electrical and construction blueprints.
- Ability to use basic measuring and recording equipment tools such as temperature indicator, pressure gage and voltage tester(multimeter).
- Knowledge of power tools (electric or engine drive) saws, grinders, impact drills and overhead crane.
- Troubleshoot, repair and install HVAC systems.

Experience

AC TECHNICIAN SECOND OPINION AC <ul style="list-style-type: none">· Assist technician with installation and maintenance of air condition, heating ventilation and refrigeration system for residential building.· Troubleshoot breakdown and repair multifunctioning HVAC system and component.· Deliver outstanding customer service as point of contact for project inquires.	JULY 2017 – PRESENT
PRODUCTION ASSOCIATE FINFROCK <ul style="list-style-type: none">· Analyzed blueprints to meet design requirements· Assembled precast concrete using high precision laser system (LAP)· Collaborated with co-workers to execute production on time· Operated heavy equipment and power tools	AUGUST 2016-JUNE 2017
CERTIFACATIONS <ul style="list-style-type: none">· Associate Mechanical design (CSWA)· Nate ready to work (NATE)· EPA 608 Universal	

