

TARIS MAJOR
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Executive Summary

A highly motivated Computer Science graduate student with a solid foundation in Mechanical Engineering, eager to apply analytical and technical skills in a challenging internship. In pursuit of a unique blend of expertise in software development, machine learning, and mechanical systems design. Seeking to leverage interdisciplinary knowledge to innovate and solve complex problems while contributing to a dynamic team and gaining hands-on experience in advanced computational solutions.

EDUCATION

Midwestern State University, Wichita Falls, TX
Master of Science, Computer Science

August 2023 – May 2025

Midwestern State University, Wichita Falls, TX
Bachelor of Science, Mechanical Engineering

Graduated: August 2020

University of the Bahamas, Nassau, The Bahamas
Associate of Science, Architecture

Graduated: Spring 2014

TECHNICAL SKILLS

JavaScript
AutoCAD

C++
Solidworks

MATLAB
LabView

Kali Linux
Python

Microsoft Office
Solidworks PDM

UNIVERSITY PROJECT

Midwestern State University, Wichita Falls, TX

Senior Design (Tranter) - Design of a functional prototype heat exchanger using 3D-printing

Aug 2019-May 2020

- Designed a heat exchanger with dimpled-styled plates in Solidworks
- Used Solidworks to create a scalable design of a heat exchanger
- Conducted Finite Element simulations in Solidworks to observe fluid flow and structural integrity
- Led a team of 4 to complete the project in a timely and efficient manner using only half the allocated budget
- Coordinated with the Tranter team on design changes and 3-D printed sample plates

PROFESSIONAL WORK EXPERIENCE

Tongrun International, Bonham, TX

Feb 2022 – Aug 2023

Design Engineer

- Developed design packages (including 3D models, PDFs, etc.) for customer approval and vendor quoting
- Coordinated with other engineers on SolidWorks Product Data Management service ensuring files were up to date and revision controlled to ISO 9001 compliance
- Designed sheet metal parts and electromechanical prototypes geared towards mass production
- Designed injection molded, die-cast, and compression-formed plastic parts to meet the form and aesthetic of customer industrial design
- Enhanced customer design with best design engineering practices to eliminate waste, reduce cost, and improve overall performance.

Block Division, Wichita Falls, TX

Mar 2020-Feb 2022

Mechanical Engineer

- Created 3D models of manufactured products using Solidworks
- Used Solidworks to update all drawing files of manufactured parts
- Coordinated with employer on new design ideas to solve customer problems
- Designed bushing press machine using Solidworks
- Researched new plating methods that are more sustainable and cost-effective than zinc plating
- Utilized Solidworks to conduct Finite Element Analysis on 3D models

CERTIFICATIONS

- Solidworks Professional – Mechanical Design

