

# Taris Major

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## SUMMARY

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Results-driven Software Engineer with a Master's in Computer Science and a solid background in problem-solving gained through 3 years in Mechanical Engineering. Demonstrated expertise in leading C++ lab sessions, mentoring students in software development best practices, and designing technical exercises to enhance coding proficiency. Skilled in developing scalable, efficient software solutions and collaborating with cross-functional teams for optimal performance.

## Education

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**Midwestern State University** | Wichita Falls, TX Aug '23 - Dec '25

*Master of Science Computer Science*

**Midwestern State University** | Wichita Falls, TX Aug '20

*Bachelor of Science Mechanical Engineering*

**University of the Bahamas** | The Bahamas May '14

*Associate of Science Architecture*

## Work Experience

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**Midwestern State University** | Wichita Falls, TX Aug '23 - Present

*Computer Science Graduate Assistant*

- Led C++ lab sessions for **30+** students, explaining core programming concepts and guiding hands-on coding
- Mentored students in **debugging, memory management, and software development best practices**
- Instructed technical exercises & delivered **personalized guidance** to elevate coding proficiency & foster confidence

**Tongrun Innovation** | Bonham Feb '22 - Aug '23

*Design Engineer*

- Engineered mechanical & electromechanical products for **optimized mass production efficiency** using Solidworks
- Developed design documentation including 3D models, technical drawings, and BOMs
- Implemented **SolidWorks PDM data management** to uphold ISO 9001 standards, enhancing efficiency by 20% while leveraging Microsoft Excel & AutoCAD for compliance
- Optimized product performance & decreased costs by 15%, enhancing efficiency by 20% through **collaboration with cross-functional teams** in Marketing, Sales, & Operations

**Block Division** | Wichita Falls Mar '20 - Feb '22

*Mechanical Engineer*

- Crafted & refined intricate 3D models to **swiftly resolve critical issues**, significantly enhancing performance
- Championed the development of mechanical systems, exemplifying **innovative system design** & forward-thinking problem-solving

- Enhanced efficiency & sustainability through **meticulous research & optimization of materials & processes**, resulting in a 30% decrease in processing time & a 20% reduction in costs using sustainable materials

## Core Skills

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Languages & Tools : Python, C++, JavaScript, HTML, Microsoft Office, Software & Platforms : SolidWorks, AutoCAD, SolidWorks PDM, LabVIEW, Concepts : Systems Design, Finite Element Analysis, Simulation, CAD, 3D Modeling, Version Control, Product Lifecycle Management, Developing Software, Software Engineering, HTML5, APIs