

NO WARNER

MULTIDISCIPLINARY MECHANICAL ENGINEER

3 702-406-2484

ENTHUSIASTIC. INNOVATIVE. ADAPTABLE.

Multidisciplinary Mechanical Engineer with strong experience in manufacturing, embedded systems, controls, and FEA. Chief Engineer of a student-led CubeSat mission, responsible for the initial systems architecture along with full-stack development of onboard electronics and flight software. Passionate and quick to learn, with a proven record of adapting to cross-domain engineering challenges.

Education

University of Arkansas

Master of Science in Engineering | Emphasis Aerospace | Expected May 2026

- Emphasis
 - Aerospace Propulsion
 - Astronautics
- Electives
 - Thermal Systems Analysis and Design

Utah Tech University

Bachelor of Science in Mechanical Engineering | Emphasis Controls | May 2025

- Technical Electives
 - Autopilot
 - Modern Controls
 - Finite Element Analysis
- Completed NCEES FE Exam

Experience

Manufacturing Aug 2022 - **Engineering Intern** May 2024

Utah Tech University

- Collaborated with academic faculty and students to transition designs from CAD to physical functional prototypes.
- Designed custom solutions to industrial machines, reducing downtime and improving machine reliability.

Harbinger CubeSat Aug 2024 - **Chief Engineer** May 2025

- Spearheaded the development of an ultralow-cost CubeSat(<15k) with a rapid design-todeployment cycle(<1 year).
- Managed a multidisciplinary team(16 people) to design and review custom satellite subsystems including power, payload, controls, and communications.
- Led the design and optimization of an optical train for a next-generation cubesat

Projects

Stainless Steel Stove

- Designed and built a lightweight stainless steel stove with integrated gas valve using CNC-fabricated parts.
- Created a custom laser-cut rubber gasket as a low-cost sealed valve solution.

Arcade Shooting Gallery

- Served as the lead engineer in the development of an interactive shooting gallery.
- Designed pneumatic firing mechanism with hinge-action, integrating a safety lockout using infared photodiode-based detection.
- Designed a networked microcontroller system.

Turbo Regatta

- Led a team to develop a propulsion system for a 2 person boat.
- Designed and Modeled a 0.75 kW Brushless DC motor under strict budget constraints.
- Additionally, analytically optimized a propeller for efficient thrust generation.

Expertise

Manufacturing

- LEAN
- CAM
 - Fusion 360
- CNC Machining
 - 4th-Axis
- Laser/Water Cutting

Engineering

- CAD
 - Onshape
 - SolidWorks
 - Autodesk
- FEA
 - ANSYS
- Spreadsheets(Excel)

Programming

- MATLAB/Python
 - DynamicSimulations
 - Optimization
- Rust/C/C++
 - Performance
- Embedded(STM32)

Attributes

- Leader
- Passionate
- Self-Learner
- Enthusiastic
- Adaptable
- Collaborative