



Jackson Merrick

jmerrick6@gatech.edu | 571-296-9070 | www.jacksonmerrick.com | [linkedin.com/in/jackson-merrick](https://www.linkedin.com/in/jackson-merrick)

MSME (Dec. '25) | Mechatronics and Hardware Design | End-to-end ownership: requirements → CAD → prototyping → DFM/drawings → integration/testing. Self-starter with a bias for action. I unite technical execution and accountable collaboration to help my team deliver reliable solutions on schedule.

EDUCATION:

Georgia Institute of Technology, Atlanta, GA

Aug 2024-Dec 2025

George W. Woodruff School of Mechanical Engineering

Master of Science in Mechanical Engineering

GPA: 3.57

- Co-Leader, Cru Graduate Student Ministry

Southern Methodist University, Dallas, TX

Aug 2020-May 2024

Bobby B. Lyle School of Engineering

Bachelor of Science in Mechanical Engineering, Magna Cum Laude

GPA: 3.91

- Lyle Discovery Scholar
- SMU Distinguished Scholar
- Vice President, Tau Beta Pi Engineering Honor Society

ENGINEERING PROJECTS:

Robotic Inspection Apparatus — Lockheed Martin (via SMU)

Recipient of The Sally Blum Memorial Prize in Mechanical Engineering

Integration Lead & Designer

Jan 2024-May 2024

- Owned end-to-end delivery of a mechatronic testing apparatus for F-35 airframe panels: requirements breakdown, architecture, CAD, fabrication, integration, testing. Reduced setup time by 85%.
- Designed and fabricated proprietary linear actuator and 3-DOF robotic arm. Integrated electromechanics.
- Drove procurement of 1,500+ components on a \$20k budget.
- 50% under budget: reduced material usage and redesigned for simpler components with no performance loss.
- Delivered on-time to Lockheed: hardware, CAD, manufacturing drawings, assembly drawings/instructions.

EXPERIENCE:

Torc Robotics

Prototype Hardware Intern, Blacksburg, VA

June 2023-Aug 2023

- Owned requirements → design for dozens of sensor mounts on Level IV autonomous semi-trucks. Pushed concepts through CAD, standards-compliant drawings, fabrication, and on-vehicle integration.
- Prototyped in SolidWorks for CNC machining, 3D printing, and sheet metal; collaborated directly with fabrication to iterate for fit/form/assembly.
- Owned overall design of forward sensor assembly now deployed on every current-generation Torc truck.
- Coordinated purchasing and directed installation of \$50k+ of sensors.

Kaleo Summer Residency (StuMo) / Grand Cypress Golf

Resident & Greenskeeper, Orlando, FL

May 2024-Jul 2024

- Completed faith-based leadership residency with daily training on discipleship and small-group leadership.
- Received structured one-to-one mentoring and led a Bible study as part of program deliverables.
- Balanced program requirements with full-time landscaping role at a championship-level golf course; responsibilities included raking bunkers, mowing greens, laying sod, and installing drainage.

CORE COMPETENCIES:

Mechanical Design | Rapid Prototyping | Design Optimization | DFM | SolidWorks (Flow Simulation, FEA) | MATLAB/Simulink
C | Python | Java | Controller Design