

Yashwin Thammiraju

330380 Georgia Tech Station, Atlanta, GA 30332
(720) 394-1720 | yashwinthammiraju@gmail.com
www.linkedin.com/in/yashwint

EDUCATION

-
- Georgia Institute of Technology (GT)**, Atlanta, GA May 2029
Bachelor of Science in Mechanical Engineering; GPA: 4.0
Minor in Materials Science & Engineering
- Legend High School (LHS)**, Parker, CO May 2025
Summa Cum Laude; Cumulative GPA: 4.49/4.00

PROJECTS

-
- Inverter Lid Mold**, *HyTech Racing at Georgia Tech*, Atlanta, GA October 2025 – January 2026
- Designed and created a 3D printed mold split into multiple sections of the carbon fiber inverter lid using CATIA.
 - Effectively cut cost of mold by ~\$300 with the 3D printed solution compared to an outsourced custom resin mold.

WORK EXPERIENCE

-
- ExoTerra Resource LLC**, *Mechanical Design Intern*, Littleton, CO Summer 2025
- Using SOLIDWORKS and SOLIDWORKS PDM, designed and improved on electric propulsion flow systems for LEO satellites and spacecraft.
 - Iterated and developed drawings for VIBE fixture assemblies as well as other GSE equipment.
 - Prototyped and created an effective solution to measure tolerance of propulsion tubing through 3D printed bend checkers.
- The Floor Corp.**, *Flooring Installer*, Parker, CO Summer 2024
- Assisted in Installing & Repairing Flooring, Including Vinyl & Engineered Hardwood.
 - Completed 20 Installs Over the Summer.
- Kumon North America, Inc.**, *Math & Reading Tutor*, Parker, CO August 2022 – December 2023
- Developed and implemented individualized math & reading lesson plans for students, tailored to their individual needs.
- KETOS**, *Mechanical Design Intern*, San Antonio, TX Summer 2023
- Worked on refurbishment and testing of the SHIELD, which monitors water quality in real time | Refurbished 8 units to be sent for commercial use.
 - Designed improvements in manufacturability & watertight performance of SHIELD components | Wired & assembled new sensor harnesses.

LEADERSHIP

-
- Mechanical Team Member | Composites, HyTech Racing (GT)** August 2025 – Present
- Design and create molds for infusion of carbon fiber composited elements on the vehicle.
 - Conduct Finite Element Analysis (EEA) using CATIA 3DEXPERIENCE to simulate in-service loads on components.
- Mechanical Design & Strategy Lead, FIRST Robotics Team 4293 (LHS)** January 2020 – May 2025
- Develop working CAD models and drawings checked by Lockheed engineers of industrial-scale robots that compete.
 - Analyze other teams using custom scouting software to determine strategy for matches and alliance selection.
- Competitive Events Coordinator, Technology Student Association (LHS)** August 2021 – May 2025
- Organize TSA Activities with Officers such as Seminar CAD & 3D Printing workshops for new members.
 - Host the TSA District Competition & manage logistics, judging, food, interviews, & the award ceremony.

SKILLS

Technical: SOLIDWORKS (advanced), CATIA/3DX (intermediate), MATLAB (intermediate), Microsoft Suite (intermediate)
Languages: Spanish (intermediate), Telugu (native), English (native)
Certifications: Certified SOLIDWORKS Professional Advanced (CSWPA) Sheet Metal, Weldments, Drawing Tools, & Surfacing

HONORS

-
- Dean's List Fall 2025 January 2026
 - National Merit Scholarship Award Recipient March 2025