



Education:

Embry-Riddle Aeronautical University
Bachelor of Science, Mechanical Engineering
Minor: Robotic Systems

Daytona Beach, FL
May 2028
GPA: 3.75/4.0

Gloucester County Institute of Technology (GCIT)
Program of Study: Engineering
National Honors Society

Sewell, NJ
June 2024
GPA: 3.95/4.0

Project Experience:

ERAU American Society of Mechanical Engineers (ASME): Combat Robotics **Founder & Project Lead**

- Initiated and led the formation of a collegiate combat robotics team under ASME, overseeing project planning, recruitment, and sponsorship outreach.
- Designed and prototyped weapon systems and chassis components using SolidWorks and Finite Element Analysis to maximize durability and offensive capability in different weight class robots.
- Collaborated as a team to integrate drive and weapon systems, ensuring reliable performance under competition constraints.

SkillsUSA Mobile Robotics Technology **Founder and Captain of 20-person team**

- Utilized CAD software to model and 3D print custom components for robot structure and functionality.
- Programmed autonomous navigation using sensors and microcontrollers for precise movement and task execution.
- Integrated mechanical, electrical, and software systems to create a responsive, multifunctional robot.
- Spotlights on SkillsJAM which showcases our journey and real-time problem-solving skills.

Work Experience:

Embry-Riddle Aeronautical University **Residence Advisor**

Daytona Beach, FL
2026-Present

- Supported a safe and inclusive residential community
- Enforced housing policies and assisted with conflict resolution
- Planned community events and responded to residents' concerns

Activities:

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| • Member of the American Society of Mechanical Engineers (ASME) | 2024-Present |
| • Vice President and Project lead for ERAU ASME Combat Robotics | 2024-Present |
| • Member of ERAU Pep-Band | 2024-Present |
| • GCIT Robotics Club Founder and Member | 2023-2024 |
| • Member and Leader for Kingsway Regional Marching Band | 2020-2023 |
| • SkillsUSA Chapter Officer and Member for GCIT | 2021-2024 |

Skills:

- Engineering Software: CATIA, OnShape, Fusion360, Solidworks, Python, VEX V5, MATLAB, AutoCAD, Arduino
- Office Software: Microsoft Word, Excel, PowerPoint, Teams, Outlook (Certified)
- Other: Lifeguard, First Aid, and CPR Certified, Teamwork, Time Management

Awards:

- ERAU Presidential Scholarship, Fall 2024-Present
- ERAU College of Engineering Dean's List Recipient, Fall 2024, Spring 2025, Fall 2025
- 4th Place - SkillsUSA National Championship, Mobile Robotics Technology, Summer 2024
- 1st Place - SkillsUSA New Jersey State Champion Mobile Robotics Technology, 2022, 2023, 2024
- National Honors Society & National Technical Honors Society, 2023, 2024