

Dametrios Hall B.S. Mechanical Engineering Student | Winona Lake, IN 46590 (765)-810-9199 |
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Objective Motivated and adaptable student pursuing a B.S. in Mechanical Engineering. Eager to contribute strong analytical, problem-solving, and technical skills in a collaborative environment. Open to opportunities in engineering, manufacturing, design, or operations.

Education B.S. Mechanical Engineering Grace College, Winona Lake, IN Expected Graduation:
May 2027

Current GPA: 3.45

Experience

Robotics Hardware Engineering Co-Op

Johnson & Johnson Medtech

May 2025 – Aug. 2025

- Built ArUco marker detection and pose estimation systems in OpenCV Python to support AR-based instrumentation tracking.
- Reviewed Design History Files (DHF) in alignment with FDA medical device documentation standards, gaining exposure to regulatory compliance and product lifecycle documentation.
- Significantly enhanced professional communication skills through Microsoft Teams.

Research Assistant

Grace College, Engineering Department

Sept. 2024 – May 2025

- Managed and maintained 3D printing lab equipment (FDM & resin printers).
- Conducted experiments and analyzed data to improve product durability.
- Documented findings and prepared reports to supported engineering advancements.

Mechanical Engineering R&D Intern

Grace College, Engineering Department

May 2024 – Aug. 2024

- Designed and tested mechanical components, achieving significant performance improvements.
- Conducted process improvement initiatives and fatigue testing for sustainable projects.
- Developed robotics programming skills through hands-on automation projects.

Technical Skills

- Engineering Software: SolidWorks, Nx, Python, MATLAB
- Prototyping: 3D Printing, Machining, Fatigue Testing
- Data Analysis: Process Analysis, Quality Control, Reporting

Soft Skills

- Communication and Team Collaboration
- Adaptability and Problem-Solving
- Attention to Detail and Time Management