

Weston Manske

(2) [Weston Manske | LinkedIn](#)
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Cincinnati, OH

mobile # (513) 526-9016

PROFESSIONAL SUMMARY – MECHANICAL ENGINEER

Recent Graduate with hands-on experience in mechanical engineering. My goal is to work at a global medical device/surgical robotics company that manufactures and designs instruments and equipment. Equally interested in the aerospace and automotive space as well. Below illustrates my high-level achievements in mechanical engineering/aerospace academics. Coupled with hands-on experience in mechanical engineering in which I had lead responsibilities for B.F. Goodridge projects. Looking for a competitive salary, open to relocation and available to start in mid-May.

EDUCATION

- Bachelor of Science in Mechanical Engineering - Minor: Aerospace Trine University, Angola IN
- Engineering ABET accredited curriculum - 3.65/4.00 GPA Graduation: May 2025

ACTIVITIES AND HONORS

- Presidents List (Junior - Spring '24; Senior - Fall '24)
- Dean's List (Freshman - Fall '21 & Spring '22; Sophomore - Fall '22)
- MIAA Academic Honor Roll
- Allen School of Engineering Scholarship
- National Society of Leadership and Success
- Trine SAE (Society of Automotive Engineers)
- Trine Entrepreneurship Committee

HANDS-ON EXPERINCE

GDC Inc. (<https://gdc-corp.com/>)

5/2024 – 08/2024

Continuous Improvement Engineering Intern

5/2023 – 12/2023

- Led ECR meetings, validation runs, and coordinating cross functional teams to drive project.
- Completed PPAP documentation, including process cards, run-at-rate forms, and packaging forms.
- Managed a project to calibrate SLR 3060 lasers used for measuring material feed length on die cutting machines, enhancing measurement accuracy.
- Created work instructions for laser setup/ operation and implemented solutions to improve performance.
- Led a project to implement material and die scanning systems in the Engel die area, improving tracking and efficiency.
- Developed a floor plan for Engel die organization, optimizing space and workflow to enhance operational efficiency

Efficiency Engineering Intern

- Analyzed and collected Run at Rate data for parts on flat press and rotary dies to enhance efficiency.
- Examined labor requirements to increase efficiency through line balancing.
- Utilized AutoCAD to create die layouts for rotary and flat press dies cutting machines.
- Exercised Excel skills for spreadsheet creation and Syteline for diverse data entry.
- Participated in recurring meetings demonstrating the effectiveness of projects to supervisors.
- Improved project management skills by timeline tracking of important project milestones

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Gearbox Design Elements Project, Machine Component Design

- Analyzed stresses and strains for shaft and gear designs.
- Developed shaft and gear sizes harnessing results from given equations.
- Designed Shafts and gears utilizing Autodesk Inventor.
- Fabricated gearbox using PLA Filament in a Prusa i3 MK3S.

Functioning Exoskeleton Design Project, Manufacturing Process/Equipment

- Employed multiple tooling machines and casting techniques to create a well manufactured exoskeleton.
- Collaborated with a cross functional team to manufacture an exoskeleton.
- Utilized N.X. and Solid Works CAD to create prototype designs.
- Led prototype redesign meetings to diagnose, troubleshoot, and solve issues at each milestone after presenting diagnostic findings to industry professionals

SKILLS

- Apps and Programming: Siemens NX, Solid Works, Autodesk Inventor and AutoCAD, MATLAB, Syteline, WardCam, Ansys
- Tools: Lost Foam and Sand Casting, Forging, Laser Cutting, Plasma Cutting, Milling, Lathing, Basic Welding, CNC Waterjet

LEADERSHIP

- Current Captain of Trine Men's Lacrosse Team
- Active Leadership Council Participant on the Trine Men's Lacrosse Team