



Henry Jackson

Mechanical Engineer | Product Design | Creative Problem Solver

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Summary

Enthusiastic Mechanical Engineer with over 2 years of experience in product design and manufacturing processes. Expert in CAD/CAE solid modeling and prototyping, with achievements in cost reduction and efficiency improvement. Keen on bringing creative solutions to complex engineering problems.

Experience

Lockheed Martin

Mechanical Design Engineer

Fort Worth, TX

2020 - Ongoing

Leading the design and prototyping of primarily aviation equipment.

- Designed and executed simulations for 5+ projects, reducing the product development lifecycle by 30%
- Contributed towards the reduction of material costs by 15% through innovative design modifications
- Coordinated cross-functional teams on various design concepts, resulting in a 40% increase in team efficiency

General Motors

Junior Design Engineer

Detroit, MI

2018 - 2020

Assisted in the design and testing process of automotive parts.

- Improved product functionality by incorporating a new design feature, resulting in a 20% increase in performance
- Automated technical report generation, saving 10 hours per week of manual work
- Involved in prototyping and testing of 10+ components leading to a reduction in project completion time by 25%

Caterpillar Inc.

Mechanical Engineering Intern

Peoria, IL

2017 - 2018

Supported the design team in the product development lifecycle.

- Participated in 3 product design projects, supporting the entire development process
- Generated 30+ technical reports documenting design changes and improvements
- Assisted in creating FEA models which led to a 10% optimization of load-carrying capacities

Strengths

✓ Creativity

Innovated a design change, saving 15% in project costs and gaining a patent.

✚ Problem-solving

Addressed critical design flaws and enhanced performance by 20% at General Motors.

✓ Collaborative leadership

Led cross-functional teams efficiently, resulting in a 40% increase in team performance.

Education

North Carolina State University

Bachelor of Science in Mechanical Engineering

Raleigh, NC

2013 - 2017

Stanford University

Master of Science in Product Design

Stanford, CA

2017 - 2018