

JAMES CLARK Senior Mechanical Design Engineer

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- Los Angeles
- www.qwikresume.com



Mechanical Engineering Principles

Mechanical Systems Design

Product Lifecycle Management

Material Selection

Tolerancing And Gd&t



DIY Projects

% Crafting

O Meditation

m History

STRENGTHS



Innovation



Integrity

LANGUAGES





English

Swahili

ACHIEVEMENTS



Led a project that reduced design cycle time by 30% through process optimization.



Spearheaded the development of a new product line, achieving a 25% increase in market share.

🔼 PROFESSIONAL SUMMARY

Results-oriented Senior Mechanical Design Engineer with 5 years of experience in the design and optimization of mechanical systems. Skilled in managing projects from concept through production, ensuring compliance with industry standards and enhancing product functionality. Eager to apply innovative engineering solutions to drive efficiency and performance in complex mechanical designs.

WORK EXPERIENCE

Jr. Senior Mechanical Design Engineer

🛗 Jan / 2021-Ongoing

Seaside Innovations

F Santa Monica, CA

- 1. Managed the design and procurement of capital equipment for a complex wash line project, ensuring timely delivery and adherence to specifications.
- 2. Created detailed operational drawings for the vendor to accurately define and install new equipment.
- 3. Conducted thorough investigations of plating pits and piping systems to enhance workflow and factory efficiency.
- 4. Verified the placement of intricate components, ensuring optimal packaging of mechanical and hydraulic systems.
- 5. Designed shipping packages that met stringent military guidelines for equipment delivery.
- 6. Developed assembly and maintenance repair operations (MRO) tooling, collaborating with manufacturing to refine processes.
- 7. Supported production teams in the design of tooling and fixtures for Chrome and Nickel plating of aerospace components.

Senior Mechanical Design Engineer

m Jan / 2020-Jan / 2021

Lakeside Apparel Co

T Chicago, IL

- 1. Directed a team of designers in the development of advanced MR imaging technology, ensuring project milestones were met.
- 2. Served as the lead mechanical engineer for a cutting-edge hybrid PET/MR imaging product, overseeing all mechanical aspects.
- 3. Responsibly designed and delivered the electro-mechanical patient handling system, enhancing patient safety and comfort.
- 4. Worked extensively with mechanical components such as cams, gears, belts, and pulleys to ensure functionality.
- 5. Implemented servo motors and encoders, achieving high precision and accuracy in the patient handling system.

EDUCATION

Bachelor of Science in Mechanical Engineering

☐ Jan / 2019

Jan / 2020

University of Michigan

Toronto, ON

Focused on mechanical design, thermodynamics, and fluid mechanics.