Janaysia Licano

FEA Engineer

👤 Profile

Dedicated FEA Engineer with 1 year of experience in providing comprehensive finite element analysis solutions to diverse industries. Adept at using various simulation tools and software to optimize product design and performance, while ensuring compliance with industry standards. Strong analytical and problem-solving skills, combined with a keen eye for detail and commitment to delivering high-quality results in fast-paced environments. Continuously focused on staying updated with the latest advancements in FEA methodologies and technologies to drive efficiency and innovation.

💼 Employment History

Senior FEA Engineer at CAE Technology Services, UT

Feb 2023 - Present

- Led the development and implementation of a new FEA simulation process, resulting in a 30% reduction in project turnaround time and a 15% increase in overall accuracy for the company's key clients.
- Successfully managed a team of 5 engineers to complete a high-profile project for a major aerospace client, achieving a 99% correlation between FEA predictions and physical test results, leading to a $2 million contract renewal.
- Developed and delivered comprehensive training programs for junior FEA engineers, improving their technical proficiency by 25% and increasing their overall productivity by 20% within six months.

FEA Engineer at Parametric Solutions Inc., UT

Jul 2022 - Jan 2023

- Led the development of a complex FEA model for a major aerospace client, resulting in a 20% reduction in weight and a 15% increase in structural efficiency.
- Successfully conducted nonlinear dynamic analysis for a high-profile defense project, leading to the identification of critical design improvements and a 25% increase in system reliability.
- Collaborated with a cross-functional team to optimize the design of a gas turbine engine component, achieving a 10% reduction in manufacturing costs and a 5% improvement in performance.
- Implemented advanced FEA techniques for a large-scale wind turbine project, contributing to a 30% reduction in material usage and a 12% increase in energy output.

🎓 Education

Bachelor of Science in Mechanical Engineering at University of Utah, Salt Lake City, UT

Sep 2017 - May 2022

Relevant Coursework: Mechanics, Thermodynamics, Fluid Mechanics, Heat Transfer, Materials Science, Control Systems, Machine Design, Manufacturing Processes, and Engineering Analysis.

Details

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Links

linkedin.com/in/janaysialicano

Skills

ANSYS proficiency

SolidWorks expertise

Abaqus mastery

HyperMesh competency

LS-DYNA knowledge

MATLAB proficiency

Python scripting

Languages

English

Arabic

Hobbies

Building and flying drones

3D printing and design

Solving complex puzzles and brain teasers