



MICHAEL ANDERSON

Senior Fixture Design Engineer

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SUMMARY

A dedicated Fixture Design Engineer with over 8 years of experience in the automotive industry. Specialized in creating innovative fixture designs that enhance manufacturing efficiency and product quality. Proficient in 3D modeling software such as SolidWorks and AutoCAD, I have a proven track record of collaborating with cross-functional teams to deliver projects on time and within budget.

WORK EXPERIENCE

Senior Fixture Design Engineer AutoTech Innovations

Jan 2023 - Present

- Designed complex fixtures for vehicle assembly lines, reducing assembly time by 15%.
- Collaborated with engineers and production teams to ensure designs aligned with manufacturing capabilities.
- Utilized SolidWorks for 3D modeling and simulation, enhancing design accuracy.
- Conducted regular design reviews and implemented feedback for continuous improvement.
- Managed multiple projects simultaneously while meeting tight deadlines.
- Trained junior engineers on best practices in fixture design and use of CAD tools.

Fixture Design Engineer Precision Manufacturing Co.

Jan 2020 - Dec 2022

- Developed ergonomic fixtures that improved operator safety and comfort by 20%.
 - Performed stress analysis and material selection to optimize fixture durability.
 - Designed and executed prototype testing, leading to a 30% reduction in design iterations.
 - Collaborated with quality assurance to ensure compliance with industry standards.
 - Documented design specifications and processes for future reference.
 - Participated in Kaizen events to drive process improvements within the engineering team.
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EDUCATION

Bachelor of Science in Mechanical Engineering, University of Michigan, 2012

Sep 2019 - Oct 2020

ADDITIONAL INFORMATION

- **Technical Skills:** SolidWorks, AutoCAD, Tolerance Analysis, Lean Manufacturing, Prototyping, Team Collaboration
- **Awards/Activities:** Awarded 'Employee of the Year' for exceptional project delivery at AutoTech Innovations.
- **Awards/Activities:** Reduced fixture design costs by 25% through innovative material use.
- **Awards/Activities:** Successfully led a project that improved production line efficiency by 40%.
- **Languages:** English, Spanish, French