



MICHAEL ANDERSON

Senior CAD Engineer

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SUMMARY

An accomplished Automotive CAD Engineer with over 10 years of experience in the automotive sector, specializing in advanced vehicle design and engineering solutions. Expertise in utilizing cutting-edge CAD software and tools to create detailed 3D models and simulations that enhance vehicle performance and safety. Proven track record of collaborating with cross-functional teams to drive product development from concept to production.

WORK EXPERIENCE

Senior CAD Engineer Global Automotive Solutions

Jan 2023 - Present

- Led the design and development of vehicle components using CATIA and SolidWorks.
- Collaborated with engineering teams to integrate electronic systems into vehicle designs.
- Conducted simulations to assess performance and safety metrics of new designs.
- Optimized existing CAD models for improved manufacturability and efficiency.
- Developed detailed technical documentation for manufacturing and assembly processes.
- Mentored junior engineers in CAD best practices and design protocols.

CAD Engineer Innovative Auto Designs

Jan 2020 - Dec 2022

- Created 3D models and assemblies for various automotive components.
 - Participated in design reviews and provided feedback on engineering specifications.
 - Utilized ANSYS for structural analysis and validation of designs.
 - Coordinated with suppliers to ensure compatibility of parts and materials.
 - Documented design changes and maintained version control in CAD systems.
 - Assisted in prototype testing and evaluation of new designs.
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EDUCATION

Master of Science in Mechanical Engineering, University of Michigan, 2011

Sep 2019 - Oct 2020

ADDITIONAL INFORMATION

- **Technical Skills:** CATIA, SolidWorks, ANSYS, AutoCAD, Team Collaboration, Design Optimization
- **Awards/Activities:** Reduced design turnaround time by 20% through process improvements.
- **Awards/Activities:** Received 'Employee of the Year' award for outstanding project contributions.
- **Awards/Activities:** Successfully led a team in the redesign of a major vehicle component, resulting in a 15% cost reduction.
- **Languages:** English, Spanish, French