



MICHAEL ANDERSON

Lead Steering Systems Engineer

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SUMMARY

Accomplished Steering Systems Engineer with over 10 years of experience in the automotive industry, specializing in the design and development of advanced steering solutions. Proven expertise in leveraging cutting-edge technologies and methodologies to enhance vehicle performance and safety. Adept at collaborating with cross-functional teams to deliver innovative steering systems that meet stringent regulatory standards and consumer expectations.

WORK EXPERIENCE

Lead Steering Systems Engineer Auto Innovations Inc.

Jan 2023 - Present

- Developed next-gen electric power steering systems, enhancing fuel efficiency by 15%.
- Led a team of engineers in the design and testing of steering components.
- Implemented advanced simulation techniques to optimize steering response.
- Collaborated with suppliers to ensure high-quality materials for production.
- Conducted failure mode and effects analysis (FMEA) to mitigate risks.
- Presented findings at industry conferences, establishing company as a thought leader.

Steering Systems Engineer Global Automotive Solutions

Jan 2020 - Dec 2022

- Designed and analyzed hydraulic steering systems for multiple vehicle platforms.
- Worked closely with manufacturing teams to streamline production processes.
- Utilized CAD software to create detailed engineering drawings.
- Performed rigorous testing to validate system performance under various conditions.
- Engaged in root cause analysis to resolve design issues effectively.
- Mentored junior engineers, fostering a culture of knowledge sharing.

EDUCATION

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

Sep 2019 - Oct 2020

ADDITIONAL INFORMATION

- Technical Skills:** Steering Dynamics, Control Systems, CAD, FMEA, Project Management, Team Leadership
- Awards/Activities:** Received the 'Innovative Engineer of the Year' award in 2021.
- Awards/Activities:** Successfully reduced production costs by 20% through process optimization.
- Awards/Activities:** Patented a unique steering mechanism that improved maneuverability.
- Languages:** English, Spanish, French