MA

MICHAEL ANDERSON

LEAD AUTOMOTIVE ENGINEER

CONTACT

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- San Francisco, CA

SKILLS

- Structural Analysis
- Simulation
- LS-DYNA
- Team Leadership
- Optimization
- Technical Documentation

LANGUAGES

- English
- Spanish
- French

EDUCATION

BACHELOR OF SCIENCE IN AUTOMOTIVE ENGINEERING, UNIVERSITY OF CALIFORNIA, 2014

ACHIEVEMENTS

- Improved simulation accuracy by 25% through innovative modeling techniques.
- Recognized for excellence in project management during product launches.
- Contributed to a patent for a novel vehicle safety feature.

PROFILE

Dynamic Automotive CAE Engineer with a robust background in structural analysis and vehicle dynamics. Over 8 years of industry experience dedicated to enhancing automotive design through advanced simulation techniques. Proven track record in collaborating with multidisciplinary teams to drive innovation and efficiency in product development. Skilled in utilizing state-of-the-art CAE tools to deliver precise simulation results that inform engineering decisions.

EXPERIENCE

LEAD AUTOMOTIVE ENGINEER

NextGen Automotive

2016 - Present

- Led a team of engineers in performing comprehensive structural analysis.
- Applied optimization techniques to enhance vehicle weight and performance.
- Utilized LS-DYNA for crash simulations and safety assessments.
- Developed methodologies for integrating simulation and physical testing.
- Presented complex data and analyses to stakeholders and clients.
- Mentored junior engineers in advanced CAE practices and tools.

AUTOMOTIVE SIMULATION ENGINEER

Precision Engineering Group

2014 - 2016

- Conducted simulations to optimize engine performance and efficiency.
- Collaborated with design teams to validate and refine prototypes.
- Assisted in the development of new simulation tools and methodologies.
- Performed thermal analysis to predict heat distribution in components.
- Documented findings and contributed to technical reports.
- Engaged in continuous learning to stay updated on industry trends.