



Michael Chen

Senior Reliability Engineer

CONTACT

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United States, Houston, TX

EDUCATION

2010 - 2012

Master of Science in Reliability Engineering

Texas A&M University, United States, College Station, TX

2006 - 2010

Bachelor of Science in Mechanical Engineering

University of Texas at Austin, United States, TX

Certified Reliability Engineer (CRE)

American Society for Quality (ASQ), January 2020

PROFESSIONAL SUMMARY

Results-driven Senior Reliability Engineer with over 12 years of experience in the aerospace industry. Proven track record of implementing reliability improvement initiatives that enhance product performance and reduce costs. Expert in failure analysis and reliability modeling.

EXPERIENCE

Senior Reliability Engineer

2018 - Now

Boeing, United States, Houston, TX

- Lead reliability engineering projects, focusing on improving product lifecycle performance and customer satisfaction.
- Develop and implement reliability testing protocols, reducing failure rates by 25%.
- Conduct root cause analysis for product failures, collaborating with cross-functional teams to implement corrective actions.

Reliability Engineer

2012 - 2018

Lockheed Martin, United States, Houston, TX

- Performed reliability assessments on various aerospace components.
- Utilized advanced reliability analysis techniques, including Weibull analysis and Monte Carlo simulations.
- Trained and mentored junior engineers on reliability best practices and methodologies.

SKILLS

Strong knowledge of engineering standards (MIL-STD-882, ISO 9001)



Excellent leadership and mentorship abilities



Statistical process control (SPC)



Design of Experiments (DOE)



Failure analysis and corrective action processes



Reliability-centered maintenance (RCM)

