Tyrene Pasquel

Reliability Engineer

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123 Maple Street, Burlington, VT 05401

Education

Bachelor of Science in Reliability Engineering at University of Vermont, Burlington, VT

Aug 2017 - May 2021

Relevant Coursework: Probability and Statistics, Engineering Mechanics, Materials Science, System Reliability, Risk Analysis, Maintenance Engineering, Quality Control, Reliability in Design, Life Cycle Analysis, and Failure Analysis.

Links

linkedin.com/in/tyrenepasquel

Skills

- FMEA (Failure Modes and Effects Analysis)
- Root Cause Analysis
- Weibull Analysis
- HALT (Highly Accelerated Life Testing)
- Fault Tree Analysis
- RAMS (Reliability, Availability, Maintainability, Safety) Modeling
- Six Sigma

Languages

English

Profile

Reliability Engineer with 2 years of experience in the design, implementation, and maintenance of reliable systems and processes to ensure optimal performance and longevity. Adept at using various testing and analytical tools to identify and resolve issues, and proficient in collaborating with cross-functional teams to improve overall system reliability. Demonstrated ability to develop and implement proactive maintenance strategies and root cause analysis to enhance equipment reliability and reduce downtime. Committed to continuous improvement and staying current with industry advancements in reliability engineering.

Employment History

Reliability Engineer at Green Mountain Power, VT

Apr 2023 - Present

- Reduced equipment downtime by 25% through the implementation of a proactive maintenance strategy, resulting in an estimated annual savings of $300,000 and increased overall operational efficiency.
- Conducted root cause analysis on critical equipment failures, leading to the identification and resolution of three recurring issues, which increased equipment reliability by 15% and prevented potential future breakdowns.
- Led a cross-functional team in the development and execution of a comprehensive asset management plan, optimizing the lifecycle of key equipment and reducing overall maintenance costs by 20%, or approximately $500,000 annually.

Associate Reliability Engineer at GlobalFoundries, VT

Aug 2021 - Feb 2023

- Successfully improved the overall equipment efficiency of the fabrication plant by 25% through the implementation of predictive maintenance strategies and innovative failure analysis techniques, resulting in significant cost savings and enhanced productivity.
- Streamlined the root cause analysis process, reducing the average time to resolve equipment failures by 40%, contributing to a 15% increase in production throughput and ensuring timely delivery of high-quality products to customers.
- Led a cross-functional team in the development and implementation of a comprehensive reliability program for new product introductions, achieving a 30% reduction in initial failure rates and accelerating time-to-market by two months.

Certificates

Certified Reliability Engineer (CRE)

Oct 2021

Certified Maintenance and Reliability Professional (CMRP)

Feb 2020