

# LIAM ANDERSON

## Failure Analysis Engineer

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### PROFESSIONAL SUMMARY

Detail-oriented Failure Analysis Engineer with 7 years of experience in troubleshooting, root cause analysis, and implementing corrective actions. Proven track record in enhancing product reliability and reducing failure rates through data-driven insights.

### WORK EXPERIENCE

Failure Analysis Engineer Dec / 2020-Ongoing  
WidgetWorks Inc. Denver, CO

- 1. Utilized advanced Failure Analysis techniques to troubleshoot and resolve telecommunications equipment failures.
- 2. Prioritized tasks to deliver timely and accurate Failure Analysis Reports for various products.
- 3. Conducted thorough investigations to isolate root causes and documented findings comprehensively.
- 4. Presented analytical results to executive members and cross-functional teams for informed decision-making.
- 5. Performed troubleshooting at system, FRU, PCBA, and component levels to identify issues.
- 6. Determined and implemented effective corrective and preventative actions to mitigate future failures.
- 7. Executed extensive data analysis to define failure modes and improve product designs.

Failure Analysis Engineer Dec / 2017-Dec / 2020  
Crescent Moon Design Portland, OR

- 1. Performed electrical and mechanical Failure Analysis on returned production products to identify defects.
- 2. Defined and executed FA flow plans for specific failures, publishing detailed technical reports.
- 3. Coordinated testing with cross-functional teams to ensure comprehensive data analysis.
- 4. Conducted failure analysis on microelectronics and optical systems to determine root causes.
- 5. Supported high-impact issues with quick TEM/SEM imaging and elemental analysis.

### EDUCATION

Bachelor of Science in Engineering Dec / 2014-Dec / 2017  
University of California, Berkeley Denver, CO

Focused on electrical engineering principles with an emphasis on reliability and failure analysis.



### SKILLS

- Project Management
- Root Cause Analysis
- Failure Mode Effects Analysis
- Reliability Engineering
- Corrective Action Implementation

### INTERESTS

- Puzzle Solving
- Home Brewing
- Wildlife Conservation
- Gardening

### STRENGTHS

- Service-oriented
- Sincerity
- Stability
- Stewardship

### LANGUAGES

- English 80%
- Indonesian 80%
- Hindi 80%

### ACHIEVEMENTS

- Reduced failure rates by 30% through effective root cause analysis and corrective actions.
- Developed a streamlined reporting process that improved analysis turnaround time by 25%.