

# Sarah Chen

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## Summary

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Seasoned Quality Assurance professional with 10+ years of experience in consumer electronics manufacturing, specializing in battery-powered devices and moisture-sensitive electronics. IEEE Certified Battery Professional with extensive knowledge of international quality standards and proven track record of implementing robust QA processes.

## Experience

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### TechWear Industries

#### Senior QA Manager | 01/2019 - Present

- Led quality initiatives for wearable electronics manufacturing - Reduced moisture-related failures by 85% through enhanced testing protocols - Implemented automated battery testing systems for 100% lot coverage - Managed team of 15 QA engineers across global manufacturing sites

### PowerTech Electronics

#### Quality Systems Lead | 01/2014 - 09/2025

- Developed quality control systems for lithium battery production - Achieved ISO 13485 certification for medical device manufacturing - Reduced product returns by 60% through enhanced environmental testing - Established supplier quality management program

### Global Electronics Corp

#### QA Engineer | 01/2012 - 09/2025

- Specialized in environmental testing for consumer electronics - Implemented IPC standards for moisture-sensitive devices - Developed test protocols for battery life certification

## Skills

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- Battery Technology & Testing, Environmental Stress Testing, Statistical Process Control, Quality Management Systems, IPC/JEDEC Standards, Failure Analysis, Team Leadership, Supplier Quality Management

## Education

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### Stanford University

#### Quality Engineering

### MIT

#### Electrical Engineering