

Marcus Delgado

Engineering Technician I

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SUMMARY

Engineering Technician I with an A.A.S. in Electrical Engineering Technology and 3 years of hands-on electronics work, including 16 months supporting test engineers on defense hardware. Builds and solders cable assemblies to IPC standards, handles first-pass troubleshooting on circuit cards, and logs test data in Excel. Known for attention to detail and clear shift notes.

SKILLS

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|-------------------|-------------------|------------------------|
| • Troubleshooting | • Word | • Attention to Detail |
| • Soldering | • PowerPoint | • Communication Skills |
| • CAD | • Outlook | |
| • Excel | • Wiring Diagrams | |

EXPERIENCE

Engineering Technician I	06/2025 - Present
Redstone Ridge Systems	Huntsville, AL

Test and integration lab at a 300-person defense electronics manufacturer building radar and missile ground support hardware.

- Build and test **40+** prototype cable harnesses a month from wiring diagrams, with zero rework returns this year.
- Run troubleshooting on failed circuit cards with multimeters and oscilloscopes, tracing faults to component level for 3 test engineers.
- Update CAD drawings of test fixtures and cable assemblies after engineering changes, closing 25 redline requests on schedule.
- Record test results in Excel trackers and send daily status by Outlook, cutting missing-data audit findings from 9 to 1.

Production Assembler (Part-Time)	08/2023 - 05/2025
Tennessee Valley Cable Works	Decatur, AL

Part-time role on a 20-person wire harness line for agricultural and truck equipment while completing the associate degree.

- Soldered and crimped connectors on about **120** harnesses a week to IPC/WHMA-A-620 workmanship standards.
- Inspected finished assemblies with continuity testers and pull gauges, catching a 2% defect rate before shipment.
- Prepared weekly scrap summaries in Word and PowerPoint for the line supervisor's quality meeting.
- Tracked calibration dates for 12 crimp tools and replaced worn dies before 2 customer audits.

EDUCATION

Associate of Applied Science
Calhoun Community College
Electrical Engineering Technology
Decatur, AL
05/2025

CERTIFICATES

IPC J-STD-001 Certified IPC Specialist IPC	09/2025
OSHA 10-Hour General Industry OSHA Outreach Training Program	02/2024
IPC/WHMA-A-620 Certified IPC Specialist IPC	03/2024