

Carlos Pantoja-Malaga

Education

Florida State University

Bachelor of Science, Computer Science

Tallahassee, FL

Aug. 2019 – May 2023

Experience

Lockheed Martin Missiles and Fire Control

Integration and Test Engineer

Orlando, FL

Apr. 2026 – Present

- Tasked with supporting production program tactical sensor throughput.
 - Integrated with the Electrical Engineering team to resolve production issues by diagnosing and troubleshooting production defects and errors.
 - Delivered test plans to internal customers to support new validation efforts for product performance by working cross functionally to provide the test procedure and execute the test evolution.

General Dynamics Electric Boat

Systems Engineer II

Groton, CT

Nov. 2024 – Mar. 2026

- Tasked as lead project engineer for submarine initial power distribution test event.
 - Delivered initial scope of work to achieve test event. Outlining the required electrical systems and components required to achieve the necessary construction state to support the safe and controlled energization of the submarine electrical plant.
 - Collaborated with construction operations and test organization to identify critical path components based on the scope of work deliverable, allowing for the prioritization of trade work and delivery of components to the test organization to support parallel construction and test.
 - Provided field engineering support to test organization for the execution of electrical test procedure. Supported test technicians with technical guidance and recorded procedural issues for design agent adjudication. Directly supported future test schedules through overcoming first of class issues.
- Delivered engineering direction for troubleshooting electrical components throughout the submarine test program.
 - Performed electrical troubleshooting for unexpected behavior during initial energization of components. Comfortable navigating vendor control and architecture schematics to isolate specific subsystems or circuits.
 - Resolved critical ground fault during initial commissioning of power distribution operator panel. Splitting system interfaces to trace the short circuit to internal subcontractor delivered equipment. Identifying the cause as an unincorporated design change to the delivered component.
 - Implemented detailed documentation of test procedure, execution, and troubleshooting guidance to improve future training and reference material.

Systems Engineer I

Aug. 2023 – Nov. 2024

- Tasked with delivering electrical test equipment deliverables for installation of temporary power to support electrical components testing under various construction states and sites.
 - Evaluated problem statements from test organization and propulsion engineering to support test and commissioning of ship's components via the provision of temporary power.
 - Delivered electrical test equipment deliverables, providing the required engineering direction and material for installation of temporary power to production interfaces while meeting the required systems requirements.
 - Evaluated system level requirements and applicable standards to validate temporary configurations. Referencing military standards for power specifications for production interfaces and national electrical code for best practices when interacting with facility interfaces.