

Jose Enquito

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Test Engineer

8 years of experience in research and development, hardware/electrical engineering, cell engineering, technical engineering, test technician, and test operations. Implemented innovative solutions to create and redesign products, tested and troubleshoot prototypes and media for consumer use, and compiled data for database entries resulting in 36% improvement in system testing and protocol, 96% field data accuracy of aftermarket product performance, and 100% customer satisfaction in under 3 years.

WORK EXPERIENCE

Abbott • 11/2021 – Present

Hardware/Electrical Engineer I

- Developed and tested cutting-edge hardware components in 3 months, reducing production costs by 20%.
- Built test rigs for prototype devices and testing equipment, increasing overall workflow and efficiency by 50%.
- Designed and developed test coupons and hardware for the latest product development, incorporating both electrical and mechanical principles to overcome obstacles and improve performance.
- Managed the site labs for usage, specifically the system hardware lab, reliability lab, optics lab, and prototype machining lab, making sure each lab is up-to-date with health and safety standards set by the company.

Tesla

Cell Engineer

- Developed and implemented a new cell engineering process that reduced manufacturing costs by 25% in 4 months.
- Prepare battery cell components such as electrodes, separators, and pouch cases by cutting, soldering, and drying for battery cell assembly. Reduced cost of prototype manufacturing by 33% through the research and development of a new battery core design and cathode/anode mixture.
- Fabricate various prototype battery cell configurations. Document cell component preparations and prototype cell assembly with the use of travelers and SOP documents and input into JIRA as well as Agile document control software.
- Assist or carry out operation and maintenance of laboratory equipment including procurement of cell components.
- Carried out thermal cycling tests, storage cycle tests, and battery life cycle tests for prototype battery cells to research their performance and overall sustainability, determining an increase of about 47% in performance for the new generation of cell batteries to be used on the plaid model cars on the market.

Dexcom

Test Engineer II

- Analyzed, assessed, and develop tests for the reliability and sustainability of devices used in the field by patients, achieving an error rate of 47% for software and software-based issues, while having a 28% error rate for hardware-related issues compared to its predecessor of G4 transmitters that had upwards of 75% on software and 66% hardware.

- Responsible for troubleshooting, testing, and developing new designs to measure the glucose level, track the number of glucose with 98% accuracy, and assess and review data from research and development to field activity.
- Primary focus is on developing, designing, planning and performing electrical, mechanical or any related experiments for product quality.
- Maintain, assemble as well as test fixtures necessary for testing and developing prototypes as well as reviewing and assessing malfunctioned products used on the field.

Lionbridge

Test Technician I

- In one year, reduced test cycle time by 21%, resulting in an increase of test data output by 16% while having 100% customer satisfaction achieved over 2 years of service with no issues and recalls.
- Testing includes media defect detection through the use of mechanical cycle testing, quality control, reliability life cycle testing, and performances before, during, and after the use of the product focusing on stress tests using HALT as well as Environmental Chambers, mimicking extreme conditions products could face on the field.

EDUCATION

Bachelor's Degree in Information Technology

Arizona State University • GPA: 3.3

Associate's Degree in Computer Science

Southwestern College • GPA: 3.3

Associate's Degree in Audio and Studio Engineering

San Diego Miramar College • GPA: 3.8

Bachelor Of Science B.S. , Information Technology

San Sebastian College Recoletos De Cavite • GPA: 3.4

SKILLS

Cloud Application, Prototype Testing, Database Management System, Mechanical Testing, LabVIEW, Altium Designer, JIRA, Life Cycle Testing, HALT Testing, Environmental Chamber Testing, Reliability Testing, SolidWorks