

Sarkis Sherian

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PROFILE OVERVIEW

Citizenship: United States

Job Type: Permanent

Work Schedule: Full-Time

SUMMARY OF QUALIFICATIONS

Passionate and technical engineering leader with a sound record of solution based critical thinking and positive results. 15+ years of multifaceted aerospace experience that allows for personal and team growth through collaboration and identifying and assigning the ideal resources for task completion. Adept at using a diverse set of engineering skills and abilities to guide and encourage team members to design, develop and implement innovative engineering products.

AREAS OF QUALIFICATIONS

- Systems Integration
- Test Automation
- LabVIEW Development
- Electronics Design
- Testing and Validation
- Qualifications per MIL-STD
- Firmware Development
- Sound and Vibration Testing
- Environmental Screening
- ISO-17025 Calibration
- Process Development
- Resource Management
- Personnel Training

PROFESSIONAL EXPERIENCE

Glenair, Inc.

Glendale, CA 91201

January 2022-Present

Electrical Engineering Manager

- Implement new electrical design process and streamline design and layout of filter division printed wiring boards.
- Hire and train engineering and technical personnel for various positions in electrical, software, and mechanical engineering disciplines.
- Build technical teams for new division/product lines.
- Setup infrastructure for bringing instrument calibration in house. Develop processes, purchase capital equipment and hire and train engineers for performing calibration tasks compliant with accreditation requirements for ISO 17025 and ANSI z540.1.
- Perform characterization and zoning study on temperature ovens to bring in new engineering processes to production such as qualification of space grade wiring.

Glenair, Inc.
Glendale, CA 91201

October 2015- January 2022
Senior Electrical Engineer

DUTIES/ACCOMPLISHMENTS

- Support and manage sustaining test engineering activities for the filter division. Task assignment and technical mentorship to junior engineers and technicians as needed.
- Recommend, evaluate, and hire personnel based on appropriate staffing levels to ensure quality standards and company objectives are met.
- System level design and evaluation of new processes and acquisition of capital equipment and software to deploy across company divisions to improve performance and adhere to government contract requirements.
- Develop in house ISO-17025 calibration process for thermal products. Experienced in validating measurements and calculating uncertainties of calibration.
- Develop LabVIEW automated test solutions for streamlining production testing per company design guidelines and MIL-STD-810, MIL-STD-469, EIA-364, DO-160, etc.
- Design, test, and build soldier wearable electronic hardware.
- Proof of concept of new and innovative technology products.

Physical Optics Corporation
Torrance, CA 90501

April, 2015 – October, 2015
Electrical Engineer

DUTIES/ACCOMPLISHMENTS

- Acted as a principal investigator for Small Business Innovative Research (SBIR) project for guidance control.
- Designed and tested software defined multi radio devices (Satellite and 4G/LTE)
- Embedded Linux programming for multi-radio device operation.

Dytran Instruments, Inc.
Chatsworth, CA 91311

January, 2012 – April, 2015
Senior Electrical Engineer

DUTIES/ACCOMPLISHMENTS

- Project lead designer for CAN bus vibration sensor for SAE J1939 heavy duty vehicles and AIRINC standards health and usage monitoring for helicopters. IEPE based sensor design with digital CAN frontend to minimize wiring and increase smart sensing and onboard signature detection.
- Developed LabVIEW automated test solutions for ISO-17025 calibration procedures for vibration, pressure and force sensors.

Jet Propulsion Laboratory/NASA
Pasadena, CA 91109

October, 2009 – December, 2011
Systems Integration and Test Engineer

DUTIES/ACCOMPLISHMENTS

- NASA summer student mentor for STEM program.

- Developed measurement software and hardware for testing automation of mobility hardware such as the Mars Science Lab, Orbital Carbon Observatory, and Aquarius satellite.
- Subject Matter Expert of measurement sensors technology for mechanical and electrical testing.

EDUCATION

California Polytechnic State University, Pomona

Bachelors of Science: Electrical and Computer Engineering

California Polytechnic State University, Pomona

Masters of Science: Electrical and Computer Engineering (Spring 2024)

Awards and Certifications

NASA

Juno Gravity Science/Telecommunication

Outstanding contribution to the development and testing of gravity science telecommunications EGSE hardware.

Jet Propulsion Lab Bonus Award

Mars Science Laboratory

Outstanding contribution to developing a static load measurement, and data acquisition for the Mars Science Lab Cruise Stage, Rover Mobility and Descent Stage

Jet Propulsion Lab Bonus Award

Juno Gravity Science

Outstanding contribution to the Juno FRIS EGSE