

SAYID JARRAH

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EXPERIENCE

Senior Engineering Manager, Pacific Industrial Operations, Los Angeles, CA Aug 2024 - Present

- Managed engineering support for mechanical equipment across multiple manufacturing departments.
- Improved equipment uptime by implementing better maintenance routines and monitoring tools.
- Oversaw technicians, maintenance planning, and equipment upgrades to reduce failures and improve reliability.
- Supported safety reviews, inspections, and audits to ensure full compliance with regulations.

Senior Mechanical Engineer, AeroTech Dynamics, Los Angeles, CA Nov 2018 - Jul 2024

- Lead mechanical design work for new actuation systems used in aerospace and defense projects.
- Work with systems, electrical, and reliability engineers to develop components that perform well under high loads and temperatures.
- Design gear trains, housings, and precision assemblies in SolidWorks, ensuring they meet industry standards and project requirements.
- Present design reviews, test plans, and risk assessments to leadership and customers for approval.
- Support testing and troubleshooting to ensure hardware is ready for production and flight use.

Mechanical Design Engineer, Orion Systems Group, Los Angeles, CA Sep 2016 - Oct 2018

- Designed electromechanical systems for industrial automation and robotics, including actuators, linkages, and sensor housings.
- Led design teams and coordinated work with manufacturing to keep projects on schedule.
- Improved durability and reduced weight of components by selecting better materials and refining designs.
- Supported prototyping, environmental testing, and reliability evaluations to confirm performance in real-world conditions.

Entry-Level Mechanical Engineer, Pacific Industrial Operations, Los Angeles, CA May 2015 - Sep 2016

- Assisted with mechanical equipment troubleshooting and repair planning.
- Updated drawings, maintenance procedures, and inspection checklists.
- Ran simple mechanical tests to confirm equipment performance after repairs.
- Helped implement early versions of predictive maintenance tools to track wear and vibration trends.

Mechanical Engineering Intern, Pacific Industrial Operations, Los Angeles, CA May 2014 - May 2015

- Collected basic equipment data and logged maintenance issues into the CMMS system.
- Updated CAD drawings after field changes or equipment replacements.
- Assisted with small improvement projects, including fixture updates and layout changes.
- Shadowed engineers during inspections and reliability checks.

EDUCATION

BSME, University of California, Los Angeles (UCLA), Samueli School of Engineering May 2015

SKILLS

- **Design:** SolidWorks, Creo, AutoCAD, Fusion 360, GD&T, DFM/DFA, 3D Printing (metal/polymer), Actuator Design, Motion Systems, CFD Analysis, ANSYS, COMSOL
- **Analysis:** MATLAB, Python, LabVIEW, Minitab, Finite Element Modeling, Thermal/Structural Simulation, Data Acquisition, Reliability Analysis, Excel