

illie Josefson

<http://illiejosefson.com/>

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Skills

Project Management | Budgeting | Scheduling | Workforce Planning | Team Building | Advocacy | Design | Analysis | Risk Assessment | Emotional Intelligence | AI

Certifications

[NASA Certificates \(APPEL & JPL Learning\)](#)

Leading Complex Projects | Project Management and Systems Engineering | Managing Virtual Teams | Facilitation Skills for Project Managers | Team Leadership | Independent Technical Risk Assessment for Flight Missions | Anomaly Risk Rating & Mission Risk Assessment | JPL Design Principles Awareness and Risk Assessment

[Coursera/UDEMY/UCLA Extension Professional Certificates](#)

Foundations of Project Management | Supervised Machine Learning: Regression and Classification | Big Data and Machine Learning | Advanced Learning Algorithms | Geometric Dimensioning and Tolerancing (GD&T) | Python Programming I

Professional Experience

NASA Jet Propulsion Laboratory [JPL], Pasadena, CA

<https://www.jpl.nasa.gov/>

7 Years [March 2018-Present]

Product Delivery Lead [PDL]

- Product Delivery Lead for the [Surface Biology and Geology \(SBG\) - VSWIR](#) IPCE, FPIE, & PCD boxes.
 - Facilitated the agreement between project's cost/schedule expectations and 356's rates & abilities.
 - Supervised & facilitated a group of 3 engineers & 2 analysts across multiple teams to meet deadlines and requirements for the three electronics boxes. Road mapped the path to PDR and CDR.
 - Lead & supported AI initiatives, technical studies, & problem-solving projects via leadership, risk assessments, and process development. Facilitated infusion of new technologies/processes.
- Product Delivery Lead for the [Mars Sample Return \[MSR\]](#) Power Subsystem.
 - Responsible for the design/development/analysis/validation/test of 13 electronics boxes on the Cruise and Lander Stages. Facilitated employee development, growth, and performance.
 - Mentored and developed the team's technical abilities. Fostered leadership and ownership of tasks.
 - Supported the development and infusion of a new busbar technology and processes to install.
 - Developed and maintained a strategic work plan to include the use of subcontracts, recent hires, experienced engineers, and interns to meet the requirements of section 346 customers and JPL.
- Lead Packaging Engineer for the [Earth Surface Mineral Dust Source Investigation \[EMIT\]](#) instrument.
 - Responsible for the design/development/analysis/validation/test of an ADC and a DAC.
 - Ensured seamless integration between JPL and external vendors, support contractors, strategic partners, and other government agencies to ensure timely delivery of hardware flown on the ISS.
- Lead Packaging Engineer for the [Deep Space Optical Communications \[DSOC\]](#) instrument on [Psyche](#).
 - Responsible for the design/development/analysis/validation/test of the SEM and FEM.

The Enchanted Loft, Los Angeles, CA

<https://www.theenchantedloft.com/>

1 Year [December 2023 - Present]

Chief Revenue Officer [CRO]

- Developed and implemented strategies to drive revenue growth across all sales channels.
- Identified and capitalized on new partnership opportunities, including an ongoing partnership with [SSBD](#).
- Analyze sales data and metrics to identify trends, opportunities, and areas for improvement

Space Exploration Technologies [SpaceX], Hawthorne, CA

<http://www.spacex.com/>

5 Years [November 2012- October 2017]

Manufacturing Engineer [ME]

- High-pressure manifold testbed. Reduced fabrication cost by 82% & schedule by 58% by using 3-D Printing.
- Saved company \$80,000/year by enabling in-house welding of transducers via a custom vacuum welder.

Education

Graduate | UCLA

Master of Science in Mechanical Engineering | MSME
Minor in Electrical Engineering

Undergraduate | Tufts University

Bachelor of Science in Mechanical Engineering | BSME