

JUAN HERNANDEZ GUIZAR

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EXPERIENCE

Aerospace Systems Engineer III, Blue Origin, El Segundo, CA 03/2025 - Present

Aerospace Systems Engineer II, Blue Origin, El Segundo, CA 10/2022 – 03/2025

- Spearhead enterprise-level Digital Ecosystem (DE) initiatives resulting in cost savings from \$750k to \$2M+ per quarter
- Lead MBSE on [Blue Origins aerobrake](#) developing & presenting artifacts such as the FHA, FTA, STPA, CONOPS, system architecture, ICD, & BOM / MEL in Dassault Systèmes Cameo
- Drive use case specific Artificial Intelligence (AI) solutions for the Advanced Concepts & Enterprise Eng. team
- Lead pre-briefs, debriefs, & participate in interviews as a Bar Raiser to validate candidates raise the bar for Blue Origin

Systems Engineering Manager, Mercury Systems, Torrance, CA 02/2022 - 10/2022

- Led a team of 10 direct reports supporting systems engineering scope in the Aviation Mission Common Server (\$30M), JARVIS (\$40M), & L-3 Helmet Mounted / Degraded Visual Environment (\$10M) programs
- Spearheaded automated integrations between scheduling & project management tools to reduce status sync meetings by 75%
- Expanded the Systems Engineering team from 6 full time engineers to 12 (100% growth) to align with business need

Senior Systems Engineer, Mercury Systems, Torrance, CA 05/2021 - 02/2022

- Test lead, scrum master, & lead systems engineer on mission computer, power conversion, & data transfer programs

Systems Engineer, Rockwell Collins, Cedar Rapids, IA 05/2018 - 05/2021

- Test lead, scrum master, Cost Account Manager & systems engineer for Embraer C-390 & Airbus C-295 platforms

Mechanical Engineer Intern, Northrop Grumman, Whiteman Air Force Base, MO 10/2017 - 12/2017

- Performed classified survivability upgrades to the B-2 Spirit Bomber using Dassault Systèmes CATIA

Systems Engineer Intern, Rockwell Collins, Cedar Rapids, IA 06/2016 - 10/2017

- Tested 500+ system requirements in the Systems Integration Laboratory (SIL) for the Embraer C-390 aircraft

SPECIALIZED SKILLS & AWARDS

- **Coding Languages:** Python
- **Languages:** English & Spanish at full professional proficiency
- **Awards:** Karman Line Ticket Recipient, Blue Star recipient, Southern California Edison Scholarship Recipient
- **Tools:** Dassault Systèmes Cameo, Teamwork Cloud, Jira, Windchill, IBM ClearQuest, IBM Rational DOORS, JAMA, GitHub, GitLab, Docker, Confluence / Wiki, Syndeia, Ceptah Bridge, Dassault Systèmes CATIA
- **Certifications:** Professional Scrum Master by Scrum.org & Mountain Goat

PROFESSIONAL AFFILIATIONS

- Active Professional Member: International Council on Systems Engineering (INCOSE) 01/2023 - Present
- Active Student / Professional Member: Society of Hispanic Professional Engineers (SHPE) 01/2013 - Present

EDUCATION

Master of Science in Business Analytics, Rady School of Management 12/2025

University of California, San Diego, CA

- Relevant Courses: AI-Math & Programming, AI-Assisted Customer Analytics, Managerial Judg / Deci Making

Bachelor of Science in Mechanical Engineering 05/2018

University of California, Merced, CA

- Chapter President: American Institute of Aeronautics & Astronautics (AIAA)
- Chapter Outreach Chair & Treasurer: The Society of Hispanic Professional Engineers (SHPE)