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EXPERIENCE

Digital Twin Lead, Advanced Systems, Blue Origin, El Segundo, CA 10/22 - Present
Aerospace Systems Engineer IV (Senior)
Earlier roles: Aerospace Systems Engineer III (03/25 - 07/26); Aerospace Systems Engineer II (10/22 - 03/25).
- Spearhead enterprise-level Digital Ecosystem (DE) initiatives resulting in cost savings from $750k to $2M+ per quarter.
- Lead MBSE on Blue Origin's aerobrake, developing and presenting artifacts such as the FHA, FTA, STPA, CONOPS, system architecture, ICD, and BOM / MEL in Dassault Systèmes Cameo.
- Drive use-case-specific Artificial Intelligence (AI) solutions for the Advanced Concepts & Enterprise Engineering team.
- Lead interview pre-briefs and debriefs and participate as a Bar Raiser to assess whether candidates raise the bar for Blue Origin.

Systems Engineering Manager, Mercury Systems, Torrance, CA 02/22 - 10/22
- Led a team of 10 direct reports supporting systems engineering scope in the Aviation Mission Common Server ($30M), JARVIS ($40M), and L-3 Helmet Mounted / Degraded Visual Environment ($10M) programs.
- Spearheaded automated integrations between scheduling and 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 needs.

Senior Systems Engineer, Mercury Systems, Torrance, CA 05/21 - 02/22
- Test lead, Scrum Master, and lead systems engineer on mission computer, power conversion, and data transfer programs.

Systems Engineer, Rockwell Collins, Cedar Rapids, IA 05/18 - 05/21
- Test lead, Scrum Master, Cost Account Manager, and systems engineer for Embraer C-390 and Airbus C-295 platforms.

Mechanical Engineer Intern, Northrop Grumman, Whiteman Air Force Base, MO 10/17 - 12/17
- Performed classified survivability upgrades to the B-2 Spirit Bomber using Dassault Systèmes CATIA.

Systems Engineer Intern, Rockwell Collins, Cedar Rapids, IA 06/16 - 10/17
- Tested 500+ system requirements in the Systems Integration Laboratory (SIL) for the Embraer C-390 aircraft.

SPECIALIZED SKILLS & AWARDS

- **Coding Languages:** Python
- **Languages:** English and 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 and Mountain Goat

PROFESSIONAL AFFILIATIONS

- Active Professional Member: International Council on Systems Engineering (INCOSE) 01/23 - Present
- Active Student / Professional Member: Society of Hispanic Professional Engineers (SHPE) 01/13 - Present

EDUCATION

Master of Science in Business Analytics, Rady School of Management 12/25
University of California, San Diego, CA
- Relevant Courses: AI-Math & Programming, AI-Assisted Customer Analytics, Managerial Judgment / Decision Making

Bachelor of Science in Mechanical Engineering 05/18
University of California, Merced, CA
- Chapter President: American Institute of Aeronautics & Astronautics (AIAA)
- Chapter Outreach Chair & Treasurer: The Society of Hispanic Professional Engineers (SHPE)