David Nakamura

PRINCIPAL SYSTEMS ENGINEER

El Segundo, CA (310) 555-0126 david.nakamura@email.com linkedin.com/in/davidnakamura

SUMMARY

Principal systems engineer with 12 years of systems engineering on satellite and launch programs, holding an active Top Secret clearance. Sets architecture and requirements management for spacecraft, builds SysML models in Cameo, and leads verification and systems integration from PDR to launch.

SKILLS

Systems Engineering • Requirements Management • SysML • Cameo • DOORS • JIRA • Verification
Systems Integration • Simulation • Python

EXPERIENCE

Principal Systems Engineer 03/2021 - Present

Pacific Orbital Systems El Segundo, CA

Satellite manufacturer for government and commercial constellations.

- Lead systems engineering for a **$420M** satellite constellation program, directing 9 engineers across 5 subsystems.
- Define the system architecture in SysML using Cameo, linking 2,600 requirements to the model.
- Run requirements management in DOORS and JIRA, holding requirement volatility under 3% after CDR.
- Chair the verification board for 30 environmental and simulation test campaigns before launch.

Senior Systems Engineer 06/2017 - 02/2021

South Bay Space Technologies Torrance, CA

Spacecraft bus and payload integrator.

- Directed systems integration of propulsion, power and avionics on 4 spacecraft buses.
- Built Python simulation tools for link budgets and power margins used on 6 proposals.
- Wrote the verification plan for a GEO satellite, closing 1,400 requirements before ship.

Systems Engineer 06/2014 - 05/2017

Mojave Launch Works Mojave, CA

- Maintained 80 interface control documents for 2 small launch vehicles.
- Ran test readiness reviews for 11 hot-fire and stage test events.
- Tracked 300+ design review action items to closure.

EDUCATION

Master of Science 05/2014

University of Southern California Los Angeles, CA

Aerospace Engineering

CERTIFICATES

Certified Systems Engineering Professional (CSEP) 2019

INCOSE