

Bailey Nixon

BaileyNixon.com | [linkedin.com/in/BaileyNixon](https://www.linkedin.com/in/BaileyNixon) | BaileyNixon321@gmail.com | 760-464-6609

WORK EXPERIENCE

Manufacturing & Test Engineer Northrop Grumman Space Systems

December 2022 – Present

- Generate, Coordinate and Execute Manufacturing Work Instructions (MWI) and Test Procedures (QTP / ATP) to support deployable spaceflight hardware build and test campaigns
- Interpret Drawings, MIL-SPEC, DOORS and NASA performance specifications to generate pass/fail criteria, procedures, Work Breakdown Structures (WBS), MS Project Schedules, Conformance Matrices and End Item Data Packages (EIDP)
- Perform Design for Manufacturability (DFM) drawing reviews and provide final approval for manufacturing
- Facilitate: Customers, Suppliers, Partners and Stakeholders to lead: Critical Design Reviews (CDR), Manufacturing Readiness Reviews (MRR), Test Readiness Reviews (TRR) and Pre-Ship Reviews (PSR)
- Perform Root Cause and Corrective Action (RCCA), Failure Review Board (FRB), and Material Review Board (MRB) when non-conformances and escapements are identified to draft Dispositions and deploy Corrective Actions
- Design, procure, assemble, and integrate Ground Support Equipment (GSE), Customer Furnished Equipment (CFE) and flight hardware final packaging
- Modify tooling and line balancing to meet manufacturing throughput demands
- Lead cross-functional teams within technically iterative environments

Tooling Engineer Haas Automation, inc.

July 2021 – November 2022

- Generate 3D models and engineering drawings
- Generate Speeds & Feeds calculators and tooling usage guidelines
- Interpret specifications and engineering drawings to develop standards for new product development
- Rapid prototype and life-test new product designs
- Heavy Industrial environment

EDUCATION

B.S. Manufacturing Engineering Cal Poly Pomona

August 2021

CERTIFICATIONS

- Certified Associate in Project Management (CAPM)
- Engineer in Training (EIT)
- Lean Six Sigma Green Belt
- Haas Mill Operator Certification
- Haas Lathe Operator Certification