

RICKY TRAN

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EDUCATION

San Diego State University - San Diego, CA 2020 - Projected Graduation of Spring 2024

- Bachelor of Science in Aerospace Engineering
- Dean's list Fall 2020 – Spring 2023, GPA – 3.85/4
- Involvement and Organizations – AIAA, Aztec Aero (Design, Build, Fly), Troops2Engineers, SHPE

United States Marine Corps

- Advanced Leadership Course, 2018
 - Lean Six Sigma Yellow Belt, 2018
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SKILLS AND CERTIFICATIONS

- SolidWorks and Siemens NX
 - Simulink
 - MATLAB
 - Microsoft Office
 - HAZMAT Shipment Certifier
 - Reliability and Quality Assurance
 - Leadership and Team Leading
 - Heavy Equipment Operation
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EMPLOYMENT HISTORY AND RELEVANT EXPERIENCE

Northrop Grumman - Quality Engineering Intern - June 2023 - August 2023

- Oversaw manufacturing team on assembly of three optical bench structures used in 4-point flexural testing
- Designed instructional optical bench structure used for hands-on practical training for new employees
- Created work instructions and training media to supplement assembly of training optical benches
- Implemented updates to command media regarding implementation of a Manufacturing Execution System ensuring compliance with AS9100 guidelines

GKN Aerospace - Mechanical Engineering Intern - January 2023 - April 2023

- Validated CAD file technical specifications and organized hardware components sourced from industrial suppliers for use in department standard parts directory
- Designed and conducted stress analysis for a custom lifting device capable of safely lifting and transporting over 100 different engine case mandrels that vary in size and weight of up to 6000 pounds
- Fabricated fixtures that can securely hold over 1000 different CNC tool holders for uniform laser etching
- Assisted with tracking man-hours and project completion for design projects by inputting tool orders into the work center's tool design tracker

United States Marine Corps - Production Control Manager - November 2018 - June 2020

- Managed, inventoried, and allocated over 900 assets, totaling over ten million dollars' worth of crew served aircraft weapons, mounts, and records in accordance with Naval Aviation Maintenance Procedures
- Supervised the production schedules, work orders, and transactions of several internal departments
- Created monthly aircraft weapons system readiness reports ensuring 100% accountability of mission ready assets across 10 external departments

United States Marine Corps - Explosive Quality Assurance Supervisor - June 2016 - November 2018

- Supervised the workflow, safety, training, and development of 15 team members
- Ensured quality and safety of high explosive assets, small arms munitions, cartridge actuated devices, and support equipment totaling over 17 million dollars in a highly dynamic work environment
- Administered logistical plans and quality assurance of hazardous material via ground and air shipments
- Managed daily workflow plans for optimum utilization of manpower, heavy equipment, and safety resulting in zero mission related mishaps