Nathan Pham

TIG Welder

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SUMMARY

TIG Welder with 5 years of precision TIG welding on stainless steel, aluminum and titanium parts for aerospace and marine customers in San Diego. Qualified to AWS D17.1, welds thin wall tube down to 0.020 inch, and checks every part with calipers and micrometers. Known for attention to detail and clean, even beads that pass X-ray.

EXPERIENCE

TIG Welder

02/2023 - Present

Mesa Precision Aerostructures — San Diego, CA

AS9100 aerospace sheet metal and tube shop with 120 employees.

- Produce titanium and Inconel exhaust ducts inside purge chambers, delivering about **60** flight parts a month.
- Hold a 99.2% X-ray pass rate on Class A aerospace welds across 2 years of customer audits.
- Measure joint gaps and finished sizes with calipers and micrometers against travelers and drawings.
- Record weld schedules, heat numbers and filler lots on each traveler for full part traceability.

TIG Welder

06/2021 - 01/2023

Harborline Marine Metalworks — National City, CA

Stainless and aluminum fabricator for yachts and work boats.

- Built stainless steel handrails, tower frames and fuel tanks for 70+ boats, polishing welds to a mirror finish.
- Joined 5052 aluminum fuel tanks that passed 3 psi leak tests on the first try 97% of the time.
- Adjusted welding techniques for thin wall tube and heavy plate, cutting distortion rework in half.

Production Welder

08/2020 - 05/2021

Otay Mesa Gate & Rail — Chula Vista, CA

Steel gate and railing manufacturer.

- Welded steel gates and railings with MIG welding, finishing 12 gate frames a week.
- Ground and prepped parts with hand tools for 2 lead welders in a 4-booth shop.
- Inspected each frame for square and weld size before it went to the paint line.

SKILLS

TIG Welding • Stainless Steel

Aluminum • Titanium

Calipers • Micrometers

MIG Welding

Welding Techniques

Attention to Detail

Hand-Eye Coordination

EDUCATION

Certificate of Achievement

06/2020

Southwestern College

Chula Vista, CA

Welding Technology

CERTIFICATES

AWS D17.1 Welder Qualification - GTAW Titanium and Stainless

American Welding Society

04/2023

AWS Certified Welder - D1.6 Stainless Steel

American Welding Society

09/2021