



Nikolai Kirby

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SUMMARY

Detail-oriented Welder Apprentice with hands-on experience in TIG welding and fabrication. Demonstrated ability to interpret blueprints and execute precision welding tasks with a focus on quality and safety. Proven skills in collaborating with machinists and maintaining strict tolerances. Effective in producing vacuum-tight welds even in challenging geometries, showcasing adaptability under unpredictable conditions. Strives for continuous improvement and learns quickly from feedback. Eager to contribute unique skillset to enhance team capabilities and exceed project expectations in a fast-paced environment.

EXPERIENCE

Welder Apprentice March 2025 - Present
Custom Welders LLC Arlington, TX

- Support welding operations at Custom Welders, focusing on fabricating custom metal components based on specifications. Collaborate effectively with machinists throughout projects, ensuring that all aspects of the job meet strict tolerance levels. Analyze blueprints to maintain high-quality standards during the fabrication process.
- Executed TIG welding of custom metal components based on detailed blueprints, adhering to specifications within tolerances of +/- .010.
 - Collaborated with machinists on manual fabrication processes, including port alignment, cutting, and tuning, enhancing project efficiency.
 - Produced vacuum-tight welds in complex geometries, demonstrating advanced skills in handling difficult welding scenarios.
 - Maintained documentation of welding settings and processes, ensuring repeatability and quality control across projects.
 - Troubleshooted welding issues by analyzing blueprints, proposing feasible solutions to improve workflow.
 - Participated in safety training and adhered strictly to industry standards, promoting a safe working environment.

TIG Welder Trainee June 2024 - February 2025
Precision Fabrication Co. Dallas, TX

- Completed rigorous training program focused on developing essential welding techniques and understanding fabrication processes. Received direct mentorship from experienced welders, honing practical skills for high-stakes production environments.
- Learned and applied Argon gas welding techniques under supervision, focusing on precision and detail in all tasks.
 - Assisted in preparing and setting up equipment, calibrating tools for optimal performance.
 - Engaged in hands-on training in fusion welding and filler rod selection for various materials.
 - Worked closely with senior welders to grasp order of operations in complex welding tasks.
 - Contributed to timely project completions while meeting quality standards.
 - Maintained an organized workspace to enhance safety and efficiency.

LEADERSHIP & AWARDS

- AWS Certified Welder (2025)
- OSHA 10-Hour Safety Training (2025)

EDUCATION

Welding Certificate 2026
Texas State Technical College GPA: 4.0 Waco, TX
Coursework: Welding Techniques, Blueprint Reading, Safety Practices, Fabrication Processes

CERTIFICATIONS

- AWS Certified Welder 2025
- OSHA 10-Hour Safety Training 2025

TECHNICAL SKILLS

- Welding Technologies:** TIG Welding, MIG Welding, Flux-Cored Arc Welding
- Fabrication Techniques:** Metal Fabrication, Welding Filler Materials, Assembly Techniques
- Safety Standards:** OSHA Compliance, Industry Best Practices, Equipment Safety

- **Blueprint Reading:** Technical Drawings, CAD Software, Schematic Diagrams
- **Measurement Tools:** Calipers, Micrometers, Welding Gauges
- **Team Collaboration:** Interdepartmental Communication, Peer Reviews, Mentorship Programs
- **Equipment Maintenance:** Welding Equipment Setup, Tool Maintenance, Calibration Procedures
- **Welding Processes:** Arc Welding Techniques, Welding Joint Preparation, Surface Finishing
- **Quality Control:** Inspection Methods, Tolerance Levels, Documentation Practices
- **Training Skills:** Mentoring New Employees, Training Sessions, Skill Assessments

SKILLS

- TIG Welding
- Problem Solving
- Fusion Welding
- Operation Sequencing
- Blueprint Interpretation
- Safety Protocols
- Filler Rod Selection
- Port Alignment
- Metal Fabrication
- Welding Processes
- Team Collaboration
- Quality Assurance
- Precision Measurement
- Tool Calibration
- Vacuum Welding

PROFESSIONAL AFFILIATIONS

- Member, American Welding Society
- Participant, Local Welding Competitions

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST