

# Levi Montoya

Platteville, CO 80651

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Willing to relocate: Anywhere

## Work Experience

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### **Tig Welder**

AEROTEK TEMPORARY STAFFING AGENCY-Fort Collins, CO

September 2024 to September 2025

- Performed high-purity TIG welding of stainless steel vacuum flanges for ultra-high-vacuum systems.
- Brazing copper lines for cooling and gas delivery assemblies.
- Fabricated and assembled precision tubing systems, maintaining tight tolerances and OEM specifications.

### **Propulsion Orbital Tube Welder**

SPACE EXPLORATION TECHNOLOGIES CORP-Hawthorne, CA

October 2021 to May 2023

- Completed flight-critical welds on propulsion systems and rocket engines.
- Programmed and optimized AMI 207/217 welding schedules (TI/SS/IN).
- Achieved 100% compliance with NDT inspections (RT, VT).
- Certified in Orbital Tube Welding, In-Place Tube Welding, and TI/SS/IN.
- Experienced with ID/OD borescope, pit gauge inspections, Bluco & Clark tooling.
- Supported electronic assembly through PCB soldering (SMD & through-hole).

### **Orbital Welding Lead**

MDC Vacuum Products-Hayward, CA

October 2020 to October 2021

- Led 3rd shift orbital welding operations in semiconductor manufacturing.
- Interpreted safety rules, operating manuals, and engineering prints.
- Supervised team workflow, ensuring adherence to cleanroom protocols and deadlines.
- Mentored welders on precision techniques and use of measurement tools.

### **Radiographic Welder**

Colorado Tech Shop-Longmont, CO

April 2019 to October 2020

- Operated AMI 217 orbital welder with 250/500 weld heads in Class CR10 & CR1000 cleanrooms.
- Welded Swagelok 316L stainless steel tubing ( $\frac{1}{4}$ " - 1") for high-purity systems.
- Assembled pneumatic valves, reducers, and check valves.
- Interpreted isometric drawings, BOMs, and purge/restriction setups.

### **Tig Welder**

Brass Smithing Innovations-Denver, CO

February 2016 to April 2019

- Performed medical- and food-grade TIG welding with strict quality standards.
- Custom fabricated assemblies based on engineering blueprints.

## Education

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### **Arts (Associate's degree)**

Front Range Community College-Fort Collins, CO

August 2025 to Present

I have 26 credits remaining until graduation. Afterward, I intend to further my education by pursuing an undergraduate degree in the legal field, with a planned graduation date of summer 2026.

### **Welding Technology (Associate's degree)**

Aims Community College-Fort Lupton, CO

January 2014 to January 2016

### **High school diploma**

Valley High School-Gilcrest, CO

August 2009 to June 2013

### **Bachelor's degree**

## Skills

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- Soldering
- Integrity
- Calibration
- Mechanical troubleshooting
- Mechanical knowledge
- Schematics
- Tooling
- Organizational skills
- Manufacturing
- Professionalism
- Cleanroom
- Time management
- Metal fabrication

## Certifications and Licenses

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### **IPC-A-610**

### **Orbital Tube Welding Certifications (TI/SS/IN, In-Place, Tack Welding)**

### **Driver's License**

**Forklift Certification**

**J Standard Certification**

**Welding Certification**