

# Alex Commins Wilson

Louisville, CO 80027

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## Professional Summary

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I am seeking a position that plays into my strengths and allows me to advance. I am looking to build on the skills I have as well as build new skills through proper training.

I am a continuing education student pursuing an engineering degree after completing my welding technology associate.

## Work Experience

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### **Welder/fabricator**

advanced manufacturing technologies-Longmont, CO

October 2024 to Present

I was responsible for fabricating sheet metal projects from start to finish. Half of my time was spent installing what was built or fabricating in the field.

- Performed TIG welding on various metal materials including stainless steel, aluminum, and carbon steel
- Interpreted blueprints and technical drawings to determine welding specifications and requirements
- Operated TIG welding equipment such as torches, power sources, and filler rods with precision and accuracy
- Ensured proper fit-up of materials prior to welding by measuring, cutting, grinding, and aligning components
- Maintained a high level of quality control by inspecting welds for defects or imperfections using visual inspection methods
- Followed safety protocols and maintained a clean work area to prevent accidents or injuries
- Utilized hand tools such as grinders, clamps, hammers, and chisels to prepare surfaces for welding
- Performed routine maintenance on TIG welding equipment to ensure optimal performance
- Completed assigned tasks within specified timeframes while adhering to quality standards
- Collaborated with team members during fabrication processes to achieve project goals efficiently
- Troubleshoot issues related to the TIG welding process and made necessary adjustments or repairs as needed
- Maintained accurate records of completed work orders including material usage and labor hours
- Adhered strictly to company policies regarding safety guidelines at all times
- Collaborated closely with supervisors on production schedules ensuring timely completion of projects
- Maintained a clean and organized work area to ensure optimal productivity
- Operated cutting equipment such as plasma cutters, oxy-fuel torches, or saws when required for fabrication processes

### **R&D Welder/fabricator**

Lightning E Motors-Loveland, CO

October 2023 to January 2024

I was responsible for fabricating prototypes, engaging with engineers to solve problems, and implementing the solutions. Also accountable for custom fabrication of all metal typed in an on-the-fly setting.

- Assisted engineers in the design, development, and testing of new products and systems
- Conducted experiments and performed tests to collect data for analysis
- Collaborated with cross-functional teams to troubleshoot issues and find solutions
- Performed quality control inspections on finished products to ensure adherence to specifications
- Implemented safety protocols and procedures to maintain a safe working environment
- Supported the assembly, installation, and maintenance of mechanical systems and components
- Conducted research on materials, technologies, or processes relevant to ongoing projects

## **Senior Welder/Fabricator**

BIRDON-Denver, CO

January 2019 to December 2023

Assembling and welding 8-meter boats out of aluminum. Welding aluminum alloys in all positions with both MIG and TIG welding processes. briefly involved in the quality department as a junior inspector working closely with the heads of the department, my lead QC, and our third-party inspectors to complete the projects.

- Led a team of XX welders in the fabrication and assembly of metal structures, ensuring adherence to project specifications and quality standards
- Inspected welded joints using visual inspection methods or non-destructive testing (NDT) techniques to ensure structural integrity
- Trained junior welders on proper welding techniques, safety procedures, equipment operation, and quality control measures
- Operated power tools such as grinders, saws, and drills to prepare materials for welding or fabrication processes
- Ensured compliance with all safety regulations by implementing safety protocols during all stages of the welding process
- Conducted regular maintenance checks on welding equipment/tools to ensure optimal performance and prevent breakdowns/failures during critical phases of projects
- Troubleshoot equipment malfunctions/failures promptly to minimize downtime and maintain workflow continuity
- Performed TIG welding on various metal materials including stainless steel, aluminum, and carbon steel
- Interpreted blueprints and technical drawings to determine welding specifications and requirements
- Operated TIG welding equipment such as torches, power sources, and filler rods with precision and accuracy
- Ensured proper fit-up of materials before welding by measuring, cutting, grinding, and aligning components
- Maintained a high level of quality control by inspecting welds for defects or imperfections using visual inspection methods
- Followed safety protocols and maintained a clean work area to prevent accidents or injuries
- Utilized hand tools such as grinders, clamps, hammers, and chisels to prepare surfaces for welding
- Performed routine maintenance on TIG welding equipment to ensure optimal performance
- Worked by industry standards (e.g., AWS D1.1) to meet project specifications
- Completed assigned tasks within specified timeframes while adhering to quality standards
- Assisted in training new welders on TIG welding techniques and best practices
- Collaborated with team members during fabrication processes to achieve project goals efficiently
- Troubleshoot issues related to the TIG welding process and made necessary adjustments or repairs as needed
- Participated in continuous improvement initiatives by suggesting process enhancements that increased efficiency
- Adhered strictly to company policies regarding safety guidelines at all times

- Collaborated closely with supervisors on production schedules ensuring the timely completion of projects
- Maintained a clean and organized work area to ensure optimal productivity
- Collaborated with the quality control department to conduct weld inspections and resolve any issues or discrepancies
- Operated cutting equipment such as plasma cutters, oxy-fuel torches, or saws when required for fabrication processes
- Performed repairs on damaged welds or components using appropriate techniques and tools
- Mentored junior welders, guiding technique improvement resulting in increased productivity
- Closely monitored welding consumables inventory levels, ensuring adequate supply at all times while minimizing waste
- Demonstrated expertise in specialized TIG welding applications such as pipe welding or aerospace component fabrication

## Education

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### **Welding technologies (Associate of Applied Science)**

Front Range Community College-Westminster, CO

January 2016 to December 2024

though it took many years of working full-time and going to school, I completed my degree in welding fabrication and have a solid decade of hands-on experience to go along with it.

### **Welding (Certificate of welding fundamentals)**

Front Range Community College-Louisville, CO

January 2016 to December 2018

## Skills

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- Mechanical Knowledge
- product delivery
- Blueprint Reading
- Carpentry
- Facilities Management
- Facilities Maintenance
- Press Brake Machine
- construction
- Drywall
- CNC
- Mechanic Experience
- Remodeling
- project management
- Electrical Experience
- Low Voltage
- Quality Assurance
- Non-destructive Testing

- Volunteer work
- welding
- Manufacturing
- Plumbing
- customer relations
- Plasma Cutting
- Supervising Experience
- Handyman
- fabrication
- Research & Development

## Certifications and Licenses

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### **Welding Certification**