

Elvy Alessandra

Welding Engineer

Profile

Results-driven Welding Engineer with 4 years of experience in designing, developing, and optimizing welding processes for diverse industries. Adept at implementing cost-effective solutions, reducing defects and ensuring compliance with industry standards. Proven success in enhancing productivity, improving weld quality, and providing technical support to cross-functional teams. Proficient in utilizing advanced technology and software for process automation and quality control. Committed to promoting workplace safety, continuous learning, and professional development.

Employment History

Welding Engineer at Arctic Firesafety Services, AK

May 2023 - Present

- Successfully implemented a new welding process that increased production efficiency by 25%, resulting in cost savings of over \$500,000 for Arctic Firesafety Services in AK.
- Led a team of 10 welders and technicians to complete a complex offshore pipeline project two weeks ahead of schedule, which saved the company \$300,000 in labor costs and penalties.
- Designed and executed a comprehensive welder training program, resulting in a 40% reduction in welding defects and rework, thereby improving overall project quality and saving the company an estimated \$200,000 annually.

Associate Welding Engineer at Alaska Welding Specialists, AK

Jul 2019 - Apr 2023

- Developed and implemented improved welding techniques for a major pipeline project, resulting in a 30% increase in productivity and a 15% reduction in overall project costs.
- Successfully trained and supervised a team of 20 welders on advanced welding methods, leading to a 25% decrease in welding defects and a 10% improvement in overall weld quality for the company.
- Collaborated with project managers to create a comprehensive welding procedure specification (WPS) database, streamlining documentation processes and reducing project delays by 20%.

Certificates

Certified Welding Engineer (CWEng)

Sep 2021

Certified Welding Inspector (CWI)

Jan 2020

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📍 123 Aurora Lane, Anchorage, AK 99501

Education

Bachelor of Science in Welding Engineering at University of Alaska Anchorage, AK

Aug 2015 - May 2019

Relevant Coursework: Materials Science, Welding Metallurgy, Welding Processes and Equipment, Non-Destructive Testing, Design for Welding, Welding Codes and Standards, Welding Safety, Robotics and Automation, Finite Element Analysis, Engineering Mechanics, and Quality Assurance.

Links

[linkedin.com/in/elvyaleessandra](https://www.linkedin.com/in/elvyaleessandra)

Skills

MIG Welding

TIG Welding

Arc Welding

Flux-Cored Welding

Submerged Arc Welding

Plasma Cutting

Brazing

Languages

English

French