

TYLER CAIN

CONTACT

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SKILLS

- Software Engineering
- C++
- JavaScript
- React
- Next.js
- Embedded Systems
- Data Structures & Algorithms
- NDT Standards
- Workflow optimization
- Continuous learning initiatives

CERTIFICATIONS

- Non-Destructive Level 1 & 2 in UT/MT
AWS FCAW 1G Flat, 2G Horizontal 3G
Vertical
AWS SAW 1G Flat Multiple Wire

After multiple years of welding and later transitioning into NDT, I've built a solid understanding of creating mechanical systems end to end.

Now I'm looking for a change of pace, somewhere I can apply my technical background, attention to detail, and teamwork skills to a completely new industry.

WORK HISTORY

October 2024 - Current

Non-Destructive Testing Technician *Marmen Energy*, Brandon, SD

- Conducted ultrasonic, magnetic particle, and dye penetrant testing to assess material integrity.
- Interpreted test results and generated detailed reports for quality assurance review.
- Collaborated with engineering teams to identify and resolve defects in materials and components.
- Maintained equipment calibration and performed routine maintenance to ensure operational efficiency.
- Adhered to safety protocols while performing inspections in compliance with industry standards.
- Participated in continuous learning initiatives to stay updated on advancements in non-destructive testing technologies.

September 2024 - November 2024

Fabrication Welder *Marmen Energy*, Brandon, SD

- Operated welding equipment to fabricate components per specifications.
- Interpreted blueprints and technical drawings for accurate assembly.
- Ensured compliance with safety protocols and maintained a clean work environment.
- Collaborated with team members to optimize workflow and improve efficiency.
- Maintained high-quality workmanship through consistent attention to detail and adherence to specifications.

EDUCATION

May 2020

Associate of Science Welding

Southeast Technical Institute, Sioux Falls, SD