

Amanda Morgan

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Skills

- Proficient in 3D modeling using Fusion 360 with CAD and CAM toolpath processes
- Knowledgeable about hydraulic, mechanical, and electrical schematics and systems
- Experienced in MIG welding and TIG welding on aluminum and steel
- Adept using social media for information, event promotion, and product distribution

Experience

January 2019 - August 2019

Index Traub, Noblesville, IN – *Field Service Engineer Intern*

- Created and implemented maintenance program to maintain operational efficiencies and reduced downtime
- Checked team member performance and quality of work against established standards
- Identified problems and recorded the solutions for reference purposes
- Troubleshoot, repaired and maintained operational efficiencies in hydraulic, mechanical and electrical systems
- Provided on-site services, installed new systems and escalated customer complaints

May 2015 - September 2017

Morgan Machine, Arbor Vitae, WI – *Machinist apprentice*

- Designed many 3D models to be produced using CAD/CAM.
- Created tool paths from 3D models to be machined on CNC lathes and mills using high speed machining strategies; calculated feeds and speeds for each process; modification of post processors for specific machines
- Skilled operation of CNC lathes, CNC mills, using Fanuc and Acramatic controls, CNC mandrel tubing bender, CMM, dynamic balancer, manual lathes, manual mills
- Fabricate tubular frames and exhaust systems using TIG welding
- Performed basic maintenance, repair, and upgrades on CNC Lathes and Mills, and other industrial equipment such as Variable Frequency Drives

May 2016 - September 2016

Brandy Lake and Lakeland Union High School – Arbor Vitae, WI – *Lifeguard*

- Monitored behaviors for safety violations and took steps to prevent further violations
- Updated logs detailing weather conditions, treatments provided and incident information to keep management informed of activities
- Maintained strong proficiency in CPR, First Aid and rescue techniques to provide optimal support to individuals in distress
- Volunteer guarded for the special Olympic swim practices

May 2018 - September 2018

Teamvantage - Forest Lake, MN - *Manufacturing Engineer Intern*

- Oversaw current and prospective manufacturing processes to increase efficiency
- Devised, evaluated, implemented, and oversaw multiple manufacturing projects of large scope from planning to completion
- Implemented organization system and documentation for employees from multiple departments
- Researched and cataloged laser engraving on various material samples for future use by sales team

Education

Lakeland Union High School, Minocqua, WI - September 2013 - June 2017

- Graduated top 15% of class - GPA 3.8

UW Stout, Menomonie, WI - September 2017 - May 2019

- Honors College
- Major: Manufacturing Engineering

Activities and Honors

- High School
 - National Honor Society - Treasurer 2016-2017
 - Varsity swimmer - Captain 2013-2017
 - Robotics club - Treasurer 2016-2017
- College
 - Society of Women Engineers 2017-2019
 - Society of Manufacturing Engineers 2017-2019