

# INDUSTRIAL ARTS INSTITUTE

## NORTHERN MICHIGAN'S PREMIER WELDING SCHOOL

Licensed by the MI Department of Labor and Economic Opportunity (LEO), a Veteran-approved training facility and a 501(c)(3) non-profit organization, offering a premier comprehensive welding and fabrication program that prepares students for successful and rewarding careers in the industry. Welders will perform welding qualification testing on-site in accordance with industry codes. Upon successful completion of testing, individuals will receive welder procedure qualification test records reflecting the parameters for which they are qualified to weld.



### MISSION

- To Educate and Develop Professional Trades' Men and Women
- To Inspire Students to Succeed in Fields That Demand High Standards
- To Cultivate an Affordable and Streamlined Education and Training Path for Students
- To Ensure Curriculum Flexibility that Evolves with Industry
- To Equip Students with Exceptional Education and Training Allowing Them to Begin a Career in Minimal Time and Debt
- To Provide Opportunities for Students to Improve Their Economic Position Within Their Communities



## WORKFORCE-READY WELDERS & FABRICATORS

# RJ INDUSTRIAL RECYCLING SCHOLARSHIP

## AUGUST - DECEMBER 2023 RECIPIENT



## JANUARY - MAY 2023 RECIPIENT



## PAST RECIPIENTS AUGUST 2021



JANUARY 2022



AUGUST 2022



# CLIFF SMITH-COLTON

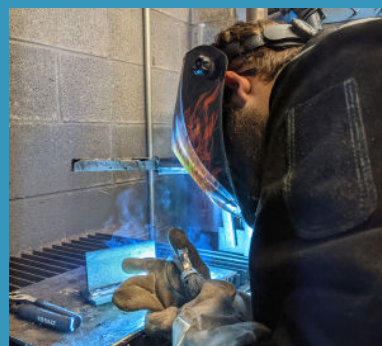
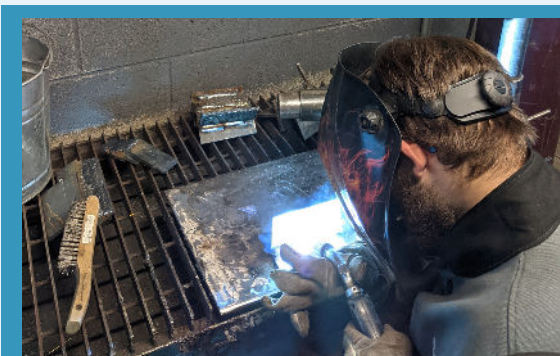
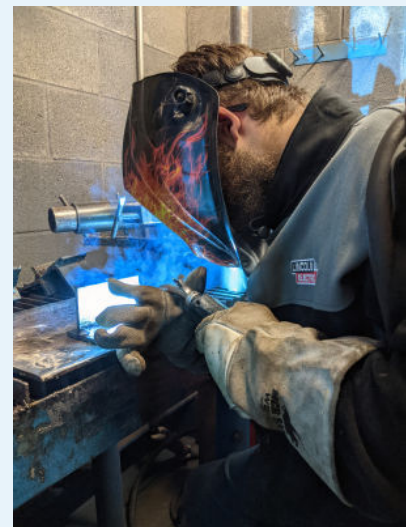
COHORT 22



Cliff Smith-Colton comes to IAI from Luzerne, Michigan, where he graduated from Mio-AuSable High School. While attending high school he was enrolled in the school's CTE program.

## WHY WELDING

Welding allows me to create and shape metal into functional and aesthetically pleasing objects. The power to transform raw materials into something tangible and visually appealing is deeply gratifying. As a skilled welder, I will have the opportunity to showcase my craftsmanship and leave a lasting mark through my work.



# NEVAEH DELL

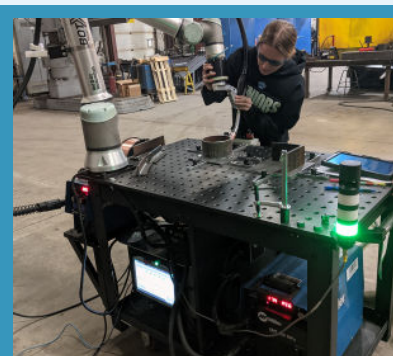
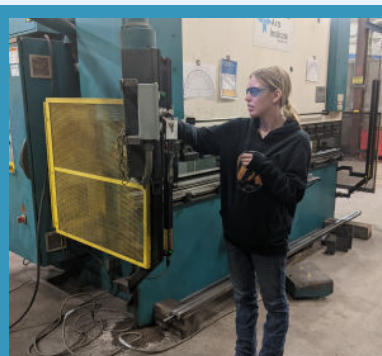
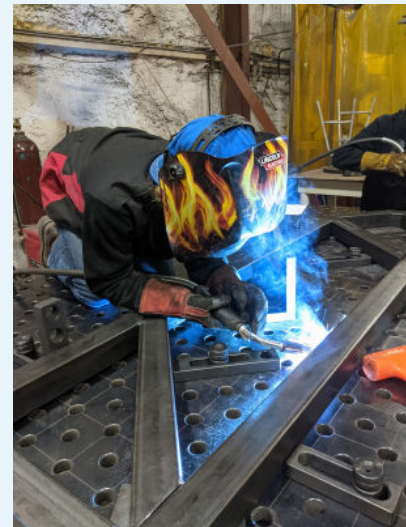
## COHORT 21



Nevaeh Dell came to us from Highland, Michigan where she graduated from Lakeland High School. Before enrolling in the Comprehensive Industrial Welding course she took the Basic and Ornamental Welding Programs offered here at IAI.

### WHY WELDING

I like working with my hands and enjoy working with different types of tools and techniques. Welding is a trade that allows for different opportunities in the industry, especially for a woman like myself.



# DALLAS LONG II

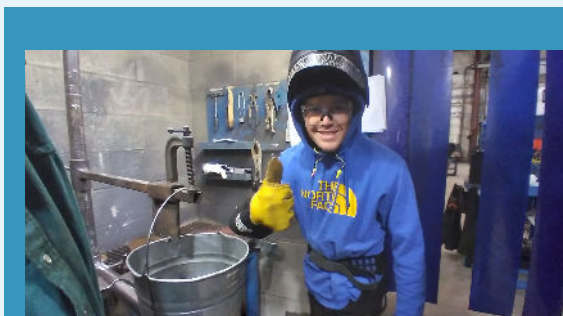
COHORT 20



Dallas Long II came to us from Mio Michigan where he graduated from Mio AuSable High School.

## LESSONS LEARNED

Falling short to qualify at the State Finals Tournament in Wrestling. My heart was broken, I was angry and disappointed. From this experience I learned perseverance, how to get back up when you feel like you fell so hard, seeing the silver lining in all things, and also the personal strength I gained mentally.



# KADE HAGEN

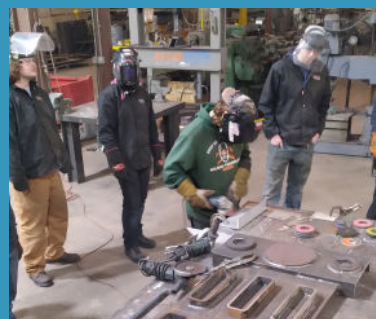
COHORT 19



Kade Hagen came to us from Pickford Michigan. He graduated from Pickford Public Schools. He participated in the Sault Area Career Center while in High School.

## WHY SKILLED WELDING

I enjoy working with metal and fixing things for people. I completed my merit badge and this sparked an interest for me. I believe that I can take this and earn a good living to provide for my future while enjoying my work..



# CHARLES MACDONALD

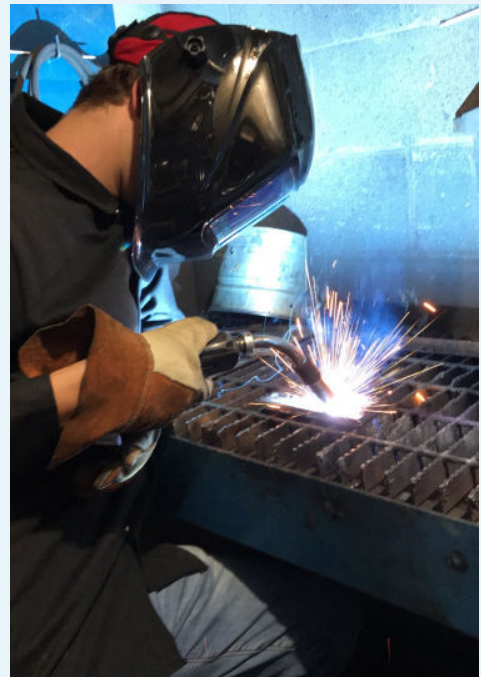
COHORT 18



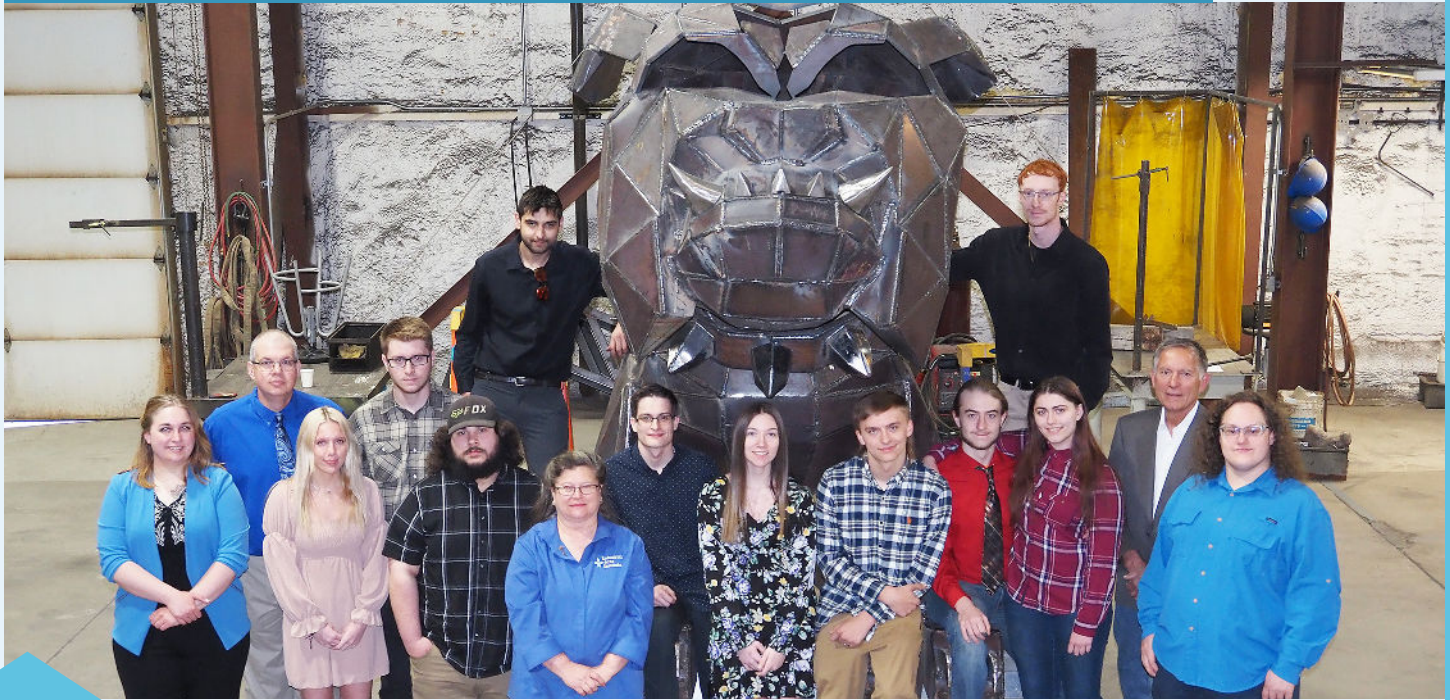
Charles MacDonald came to us from Maple City Michigan where he graduated from Glen Lake High School.

## WHY SKILLED WELDING

I developed a deeper understanding of the importance of what welders do and the impact the trades have in our society. This is a career that has long term prospects. It will always be needed for our infrastructure to maintain and grow whether in a large city or rural America.



# COMPREHENSIVE INDUSTRIAL WELDING



## COURSE DESCRIPTION

This course provides 760 clock hours of employer-model, real-world welding and fabrication training provided by instructors with diverse industry experience. Students spend 80% of their training in our welding lab. Classroom experience is focused on learning welding fundamentals and building skills to be successful members of the workforce. Our curriculum includes:

- Welding technology and blueprint reading
- Advanced Fabrication taught by industry experts
- Oxyacetylene cutting
- Welder mathematics
- Welding automation- Collaborative Welding Robot (Red-D-Arc- BotX)
- Manual & CNC plasma cutting operations
- Shielded metal arc welding (SMAW)
- Gas metal arc welding (GMAW)
- Flux cored arc welding (FCAW)
- Gas Tungsten arc welding
- Introduction to pipe welding

During the course, students' complete fabrication projects, allowing them to put their skills to practical use. Students will have opportunities to earn numerous welder qualifications in all welding processes using various metals including carbon steel, aluminum, and stainless steel.

# INDUSTRIAL ARTS

## INSTITUTE MILESTONES

**2014**

IAI Grand  
Opening  
Celebration

The year IAI  
became a  
Nonprofit.

**2017**

**2017**

Approval as a  
Department of  
Veteran Affairs  
Education  
Training  
Facility

\$83K IAI  
Targeted  
Scholarship  
awards

**2022**

**2023**

\$125K Projected  
IAI Targeted  
Scholarship  
awards

**AVERAGE  
CLASS  
SIZE  
15**

**STUDENT  
AGE RANGES  
17 TO 50+**

**80% LAB  
20%  
CLASSROOM**

IAIWORKS.COM

INSPIRING A NOBLE WORKFORCE

2014 - 2023  
318  
Alumni

97%  
Student  
Retention

92%  
Industry  
Placement

**WHERE DO INDUSTRIAL ARTS  
INSTITUTE STUDENTS  
COME FROM?**



**LEARN FAST. WORK SMART. MAKE MORE.**