



ISAAC LOGSDON

Engineering Student at iLEAD Academy

PROFILE

I'm a driven high school engineering student looking to further my education and grow as an engineer.

CONTACT

PHONE:
(502)232-2449

WEBSITE:
<https://isaaclogsdon.wixsite.com/portfolio>

Email: ilogsdon0002@kctcs.edu

Certifications:

-Robotics coding certification from Carnegie Mellon

-Engineering Certification from the Robotics Education and Competition Foundation

References

Jenna Gray (Director of iLEAD)
Contact: jgray@ovec.org

Sue Anderson (Owner of RA Building and Design)
Contact: (502)592-3642

EDUCATION

iLEAD Academy

August 2016 – Present

In addition to my high school classes I took Introduction to Engineering, Principals of Engineering, Computer Integrated Technology, and a robotics engineering class.

Jefferson Community and Technical College

August 2018 – Present

I am also enrolled in JCTC allowing me to graduate high school with an associate of science. I also took advanced math courses (up to calculus two).

WORK EXPERIENCE

RA Building and Design [Carpenter/Framer]

July 2015–Present

I work on the framing crew as well as apprentice in electrical, plumbing, roofing, trim, and machine operation. I have taken a leadership role in the company at a young age, helping me expand my leadership skills.

Wilcox Machine Company [CNC Operator]

2014–Present

I work odd hours at Wilcox Machine running CNC mills and lathes, as well as assisting on custom fabrication jobs.

Skills

- Basic CAD drawing and assembly (Autodesk Inventor)
- Understanding robotics systems
- Understanding basic engineering principals
- Basic coding (ROBOTC, C++, Python)
- Understanding construction concepts and structural designs
- Group project coordination
- Leadership
- Calculus background

Student Involvement

Objective

- *As an aspiring engineer I have gone above and beyond the traditional high school standards in pursuit of my career.*

Science Technology Engineering and Math (STEM) Clubs

TECHNOLOGY STUDENT ASSOCIATION

- I have participated in the TSA engineering categories for the past 4 years, succeeding at both the regional and state levels.

VEX ROBOTICS

- Robotics has always been a passion of mine, for the past two years I been involved in the school's VEX robotics program. Last year my team set school records and won a judge's award.

STUDENT TECHNOLOGY LEADERSHIP ASSOCIATION (STLP)

- The past two years I have participated in STLP, last year I lead an entrepreneurial design team that brought a Pop-up store (fundraiser) to iLEAD.

KENTUCKY UNITED NATIONS ASSEMBLY (KUNA)

- In 2019 iLEAD participated in KUNA, I took charge of designating and building the global village structure, which won state (Chinese architecture).

CAMP KYSOC RESTORATION.

- I recently worked with some students to restore parts of Camp KYSOC in Carrolton, helping the park win the *Beatify the Bluegrass* award.

INVOLVEMENT IN THE ROBOTICS PROGRAM AT ILEAD

- Built practice arena for our VEX program.
- Worked with the NAO robot to showcase iLEAD's technology and generate interest in the program.

Academic Engagement

Overview: As a high school student I'm enrolled in in my home high school (Henry County), iLEAD Academy (A engineering/career-based school) and Jefferson Community and Technical College. I will graduate high school with a full associate of science degree from JCTC.

I LEAD ACADEMY

- All honors courses
- National Honors Society
- 4.3 grade point average
- Duel credit courses:
 1. Into to Engineering
 2. Principals of Engineering
 3. Computer Integrated Technology

Henry County High School

- Ranked #4 in the school
- Highest GPA sophomore and junior year

JCTC HIGHLIGHTS

- All duel credit courses
- Deans List (every semester to date)
- 4.0 unweighted grade point average
- Advanced math and science
 1. Trigonometry
 2. Calculus 1
 3. Chemistry
 4. Physics
- 60+ credit hours as a high school student

Leadership

- National Honors Society president
- Student government junior and senior year
- VEX robotics team leader
- TSA and STLP group leader
- Crew leader at work
- In charge of senior activities at Henry County (Homecoming, Fall Ball, Parade etc.)
- Small business owner (Pewee Valley Car Detailing)

TOTAL HOURS:
160+

Total Hours at School: 75+
Community Projects: 45+
Robotics: 20+
Local Elementary Schools: 10+
Nursing Homes: 10+
Missions Work: Unknown

NHS COMMUNITY PROJECTS

- I Organized an operation shoe box fundraiser for a local church.
- I repaired a boat for a disabilities park.

LOCAL ELEMENTARY SCHOOLS

- KATHRIN WINN STEM CAMP
- Eastern Elementary STEM Night
- Buddy Benches

COMMUNITY SERVICE RESUME

ISAAC LOGSDON

OVERVIEW:

- Camp KYSOC: I used my tools and resources to rebuild a boat used to transport handicap campers.
- STEM Camps: I worked with two local elementary schools to organize and run STEM activities.
- VEX Robotics: Every year I help run the local VEX robotics competition.
- Building Robotics Platform: I built a robotics practice and storage facility at our school.
- Maker Space: I have spent countless hours in the makerspace repairing tools and cleaning.
- Operation Shoe Box: As our National Honors Society President I organized a game night to raise money and wrapped boxes for a local church's operation shoe box.
- Living Lands and Waters: I worked with living lands and waters to clean the Carrollton river bank.
- Christmas at the Nursing home: Every year a group of us students go to a nursing home on the last week of school and spread joy.
- Buddy Benches: I helped organize and build benches for local elementary schools in the district.
- Missions Work: I have also spent countless hours helping my father with local missions work and even missions work overseas.