



# Trey Wilson

## Contact

### E-mail:

TreyWilson5470@gmail.com

### Phone:

(740) 438-9526

### Address:

4150 Brook Rd NW, Lancaster,  
Ohio 43130

## Skills

- Proficient in C++
- Proficient in C
- Proficient in Java
- Proficient in Python
- Comfortable using BASH
- Comfortable using GDB Debugger
- Relentless drive
- Incredibly reliable
- Very self-sufficient
- Great team member

## Education

Expected in 2028-05

### Bachelor of Science: Computer Science And Engineering With Specialization in Artificial Intelligence

Ohio State University - Columbus

- Current GPA: 3.96
- Artificial Intelligence Club member

I am a highly driven and motivated individual with a strong sense of perseverance. I thrive in challenging environments and consistently demonstrate resilience in the face of obstacles. My confidence in my abilities allows me to tackle tasks with determination and a positive attitude. As a valuable team member, I bring great leadership skills and a relentless drive to achieve excellence.

## Projects

### Automated Hydroponic pH Monitoring and Control System:

Using sensor feedback, closed-loop control logic, and automated dosing mechanisms, the device maintains optimal nutrient solution conditions for hands-off plant growth.

### Wi-Fi based Indoor and Outdoor Navigational Cane for the Visually Impaired:

an embedded systems project leveraging wireless signal strength (RSSI) and microcontroller-based processing to assist with real-time navigation and obstacle awareness via haptic feedback across indoor and outdoor environments.

### Standalone Offline Survival Intelligence Module:

A self-contained AI-driven system capable of delivering critical survival guidance, decision support, and general knowledge without internet connectivity, optimized for low-power hardware and constrained computing environments.

## Work History

2025-12 -  
Current

### Handshake AI - Research Fellow

*Remote*

- Trained and improved AI models by validating outputs and identifying inaccuracies across a range of tasks
- Created and curated high-quality training datasets to enhance model performance and reliability
- Provided detailed feedback on model behavior to support iterative improvements
- Contributed to improving overall model accuracy, consistency, and real-world applicability

2022-11 -  
Current

### E-Commerce Lead

*Kroger Co., Lancaster, Ohio*

- Consistently fulfilled online orders accurately and efficiently, provided excellent customer service, used technology to improve efficiency and have collaborated with fellow team members.
- Analyzed customer data to identify trends, inform product selection, and optimize inventory management.
- Streamlined order fulfillment processes, reducing delivery times and increasing customer satisfaction levels.
- Mentored junior team members in e-commerce best practices.

2024-01

## HS Diploma

*Bloom-Carroll High School - Carroll, Ohio*

- Member of the national honor society
- Graduated with honors diploma
- Within top 5% of graduating class
- Solely attended Ohio University Lancaster for both semesters of senior year
- 3.98 GPA
- Honor Roll all 4 years

## References

- **James, Summerford, Associate Professor of Philosophy, [summerfo@ohio.edu](mailto:summerfo@ohio.edu), Ohio University, December 20, 2023:**

Trey Wilson has asked me to write him a letter of recommendation to accompany his job applications. I am delighted to do this and can offer Trey my strongest recommendation. Trey is a terrific student and is, in my opinion, very deserving of a great opportunity. As you likely know, Ohio has long had a series of programs that allow high-school students to take classes at local colleges and universities. Consequently, over the last twenty-five years, as a professor at Ohio University, I have seen some of the most gifted high-school students my county and region has to offer. Even among that group of highly qualified and motivated students, Trey stands out as being exceptional. He is intelligent, dedicated, and responsible. But it is not just against other high school students that Trey shines. Even when the comparison class includes college students, Trey is easily recognizable as being outstanding. I met Trey this past semester (Fall of 2023) when he took Philosophy 1300 - Introduction to Ethics with me. As the name implies, this is an introductory course in moral philosophy that covers both theory and application. The class was an in-person class with three in class exams in addition to a paper assignment. Trey's class had 35 students in it and of those 35 students Trey was the top performer. And while it is not unheard of that a high school student might be the top performer in a college class, it is very rare, and it is an impressive accomplishment. But it isn't just that Trey did so well in the class that impressed me, his accomplishment is made even more impressive by the fact that he did this while working two jobs to help his family during a period of financial hardship. I'd like to note that Trey exhibited a maturity and dedication to the schoolwork that many students lack. For the 15 weeks of class, he was always in the center of the front row, he was always prepared, and he was always ready to participate and, indeed, often made valuable contributions to the class. I rarely write such strong letters of recommendation. Neither, though, do I often have students of whom I am as confident as I am Trey. He is one of the most impressive introductory students I have taught in 25 years as a professor. And in addition to his considerable academic gifts, he also just strikes me as being a genuinely nice person – the sort of person who finds a way to make positive contributions to the communities to which he belongs. In short, I recommend him strongly and without reservation. I cannot think of a student I have had in the last few years more deserving of a great opportunity than Trey. If I can be of any additional help or answer any questions, please do not hesitate to contact me. My email address is [summerfo@ohio.edu](mailto:summerfo@ohio.edu).

- **Amanda, Mullen, General Manager, [Amanda@themilleventcenter.com](mailto:Amanda@themilleventcenter.com), 740-777-9200, The Mill Event Center, Lancaster, Ohio, October 14, 2023:**

My name is Amanda Mullen and I am the General Manager of The Mill Event Center in Lancaster Ohio. At The Mill, we hold all types of private events such as weddings, fundraisers, graduations, birthday parties, and ticketed public events. I am writing this letter of recommendation for Trey Wilson. Trey Wilson has worked for me at The Mill for over a year. He has quickly become a favorite among staff and management. His work ethic and dedication to this job is unmatched even among employees twice his age. He keeps a constant positive attitude and is willing to do anything asked of him. I have said many times before, if I could duplicate Trey 20 times over, I wouldn't need any other employees. Trey has proven he is capable of not only doing the job assigned to him, but also taking charge with the other floor staff and assigning their work and seeing that it is done properly. He is a proven leader amongst everyone here, regardless of the age gap. He is highly respected by all of his peers here. I am certain that anywhere that Trey finds himself, he will find success. I am also certain that anyone lucky enough to be part of his future will be better for it.