

Andrew Harrison

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[GitHub.com/ACHarrison32](https://github.com/ACHarrison32) – linkedin.com/in/acharrison1123/

SUMMARY OF QUALIFICATIONS

- Proficient in multiple programming languages including C++, Python, and Java with practical experience in software development and database management.
- Demonstrated leadership skills in academic and project settings, with strong abilities in teamwork and project coordination.
- Strong analytical skills demonstrated through the development of complex software solutions and innovative project design.

EDUCATION

Midwestern State University

Bachelor of Science in Computer Science
Academic Merit Scholarship

Wichita Falls, TX
December 2023

TECHNICAL SKILLS

- **Programming Languages:** C++, C#, Python, Java, Kotlin, GoLang, SQL, HTML
- **Robotics & Automation:** Bot SPLC, WiFi integration, HMI systems
- **Operating Systems:** Windows 7/ 8/ 10/ 11, Linux
- **Database:** SQL Server, Oracle
- **Software and Tools:** MS Visio, MS Excel, MS PowerPoint, MS Word, MS Teams, GitHub, Trello, JIRA, Power BI
- **Development Environments:** Visual Studio, Android Studio

EXPERIENCE

Robotics Field Engineer / Site Lead in Training

Apex Systems / Walmart Advance Systems and Robotics

Wichita Falls, TX
February 2024 – Present

- Manages and troubleshoots robotic systems to ensure operational efficiency, collaborating closely with the Support team to proactively identify and resolve issues during planned downtime.
- Exhibits electro-mechanical expertise and proficiency in Linux/command line, contributing to system optimization and preventive maintenance strategies.
- Mentors' system operators in the effective use of the system, enhancing team skills and ensuring consistent operational excellence.
- Engaged in comprehensive site lead training, developing leadership skills and strategic operational insights to support future supervisory responsibilities.
- Performs hands-on maintenance and repairs of robotic systems, addressing mechanical and electrical issues to minimize system downtime and ensure smooth operations.

Certified Trainer / Server

Olive Garden

Wichita Falls, TX
January 2022 – February 2024

- Demonstrates strong enthusiasm and delivers exceptional customer service, leading to a notable increase in customer referrals.
- Analyzes company training methods and implements strategic adjustments to address issues, enhance efficiency, and surpass objectives, resulting in overall performance improvement.
- Has currently earned 6+ service and 4+ sales awards recognizing exceptional customer service and outstanding sales performance.

Mechanical Engineering Teaching Assistant

Midwestern State University

Wichita Falls, TX
August 2019 – December 2019

- Guided students in understanding and applying SolidWorks for mechanical engineering projects.
- Ensured students grasped key concepts and were able to effectively use the software for design and simulation tasks.
- Developed and managed project and test creation, enhancing students' practical application skills in mechanical engineering.

RELEVANT COURSES

- Software Engineering
- Object Oriented Programming
- Computer Communications and Networks
- Logic Design
- Theory of Computation
- Database Management Systems
- Computer Architecture
- Advance Structures and Algorithms

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RELEVANT COURSEWORK

Fantasy Manager Database

Wichita Falls, TX

August 2023 – December 2023

- Led the Fantasy Soccer Manager Database creation using MySQL for user-friendly data handling.
- Analyzed and integrated real-world soccer stats to boost gameplay fairness and engagement.
- Collaborated effectively with a team to ensure the database's simplicity and functionality.

Lunch Decider Mobile Application

Wichita Falls, TX

January 2023 – May 2023

- Led a team in the design and development of the application, ensuring project alignment with goals and timelines.
- Integrated seamlessly Yelp API for up-to-date restaurant information enhancing user experience.
- Guided the app through successful launch on the Android Play Store meeting key delivery milestones.

Artificial Intelligence Predictions Presentations

Wichita Falls, TX

January 2023 – April 2023

- Conducted research on the application of Artificial Intelligence in predicting global issues such as climate change, forest fires, earthquakes, and more.
- Volunteered as a presenter at the North Texas Area Student Conference emphasizing AI's role in addressing global challenges.

VOLUNTEER WORK

North Texas Area Student Conference

Wichita Falls, TX

Volunteer

April 2023

- Actively engaged with conference attendees, fostering awareness and discussion on the role of AI in global problem-solving.
- Attended numerous presentations on technology, gaining valuable insights and understanding of emerging trends and advancements in the field.

First Aid Strong

Denton, TX

Director of Purchasing

January 2017 – January 2020

- Oversaw and optimized purchasing processes, handling around \$450 worth of essential first aid supplies, including adhesive bandages, topical antiseptics, and various wound care products, per procurement cycle.
- Managed the procurement of approximately 500 individual first aid items every four months, ensuring cost-effective strategies and efficient supplier negotiations.
- Maintained comprehensive control over all financial operations for First Aid Strong.

Krum Girls Fall Basketball

Krum, TX

Assistant Coach

August 2017 – October 2017

- Assisted in coaching and skill development enhancing team performance and individual player growth.
- Contributed to strategy formulation and game planning fostering a competitive and collaborative team environment.

Camp Abilities

Denton, TX

Volunteer

June 2015 & 2016

- Engaged in activities that promoted physical fitness and sports participation among visually impaired children emphasizing empowerment and inclusivity.
- Provided supportive guidance, ensuring a safe, encouraging, and fun environment for all camp participants.