

Alexander Renshaw

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Education:

Penn State Erie, The Behrend Campus, Erie, PA

Expected May 2025

-Electrical and Computer Engineering Technology, Bachelor's degree

Relevant Coursework:

Electric Circuits and Machines, Technical Calculus, Digital Electronics, Project Management, Object-Oriented Design

Electrical and Computer Experience:

Robotics Design

November 2023

-Designed a robotic car to follow lines in a straight line and a set path

Relevant Lab work

January 2022-Present Day

-Wired a miniaturized conveyor belt to a breadboard and wrote a program to operate it

-Created a program that converts electrical reading into resistor values to act as an Ohmmeter

-Designed schematics for circuits using AutoCAD

Computer Engineering Club Secretary

March 2024-Present

-Plan and attend school events showcasing the benefits of the computer engineering club

-Obtained certification to deep learning AI through NVIDIA training course

-Attended and assisted in a software defined radio event

Teamwork Experience:

Modwash Team member, Modwash, Erie, PA

November 2021-Present Day

-Work with others to provide a memorable experience to customers

-Keep the facility clean and running properly as a team

-Aid one another so we know how to solve problems as fast as possible

Donations Associate, Goodwill, Erie, PA

May 2021-September 2021

-Accepted and sorted donations received with a fellow goodwill employee

-Loaded prepared donations onto shipping truck with crew

-Sent reports of antique items to manager in Ashtabula, Ohio

Lifeguard, Eastside YMCA, Erie, PA

September 2019-March 2021

-Monitored swimming pools with fellow lifeguards to ensure patrons safety

-Trained alongside fellow employees to keep first aid and cpr skills up to date

-Prepared to work as a team to save a drowning or unconscious victim if necessary

Swim Team, Harbor Creek High school, Erie, PA

November 2016- March 2020

-Practiced and developed swimming skills with teammates

-Helped teammates improve skills and received help

-Swam in relays against competing schools to win as a team

Leadership Roles:

Head Lifeguard, Eastside YMCA, Erie, PA

December 2019-March 2021

-Monitored newer employees and aided them with questions and concerns

-Provided feedback to manager of progress newer employees skill developments

-Led a group of guards through training in-services to keep skills up to date

Swim Team Captain, Harbor Creek High School, Erie, PA

November 2019-March 2020

-Raised team morale and made a function and efficient team

-Aided swimmers in improving swimming and diving technique

-Received an award for "best teamwork" at districts

Skills:

-Proficient in C++

-Proficient in Microsoft Office