

Ethan Newland

Contact Information

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Education

University of Lincoln-Nebraska | Lincoln NE
Bachelor of Science in Software Engineering.
GPA: 3.87

Expected Graduation: May 2025

Pius X High School | Lincoln NE
GPA: '3.75'

Aug 2016 - May 2020

Experience

Service Manager
Hy-Vee

September 2023 – May 2024

- Front-of-Store Oversight: Lead and coordinate front-end operations, including cashier management and customer service, ensuring a seamless and efficient checkout experience for patrons.
- Back-of-House Management: Direct and supervise employees in back-of-store activities, overseeing inventory management, stock replenishment, and maintaining optimal store appearance to enhance sales performance.

Coach

November 2021 – December 2022

Lincoln Select Swim Team

- Mentor swimmers using techniques that allow them to perform at a high level of competition in meets around the United States.

Projects

Senior Design Project – CSCE 487

- I am participating in the project as a Product manager for a VR nursing simulation. The goal of the simulation is to have in-depth virtual reality training for an emergency room environment where infectious diseases could be present.
- The training in the simulation should help prepare the user to implement the three I's, Identify, Isolate, Inform, which will enable them to adequately respond to a patient who carries dangerous infectious diseases.

Embedded Arduino System – CSCE 231

- Objective: Develop an embedded system on Arduino Nano utilizing the C programming language and interrupts to interface with external devices including a laser emitter, keyboard, LED display, and pressure sensor.
- Functionality: Implemented input processing from a compact keyboard and monitored a laser sensor for proximity detection. Utilized a timer to control a pressure sensor for emitting varied frequency sounds, culminating in the creation of a basic alarm system capable of detecting nearby objects.

Coding Languages

- Python, C, C#, Java,
- Some experience in Haskell, HTML and JavaScript