

# Sean Linko

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## EDUCATION

### Bachelor of Science in Computer Engineering

*University of Cincinnati, Cincinnati, OH*

Graduating May 2026

GPA: 3.69

- Mathematics Minor, Dean's List Scholar Fall 2022-Present, Cincinnatus Century Scholarship recipient
- Relevant Coursework: Mechatronics, Embedded Systems, Software Engineering, Data Structures

## EXPERIENCE

### Chamberlain Group, Chicago, IL

#### Advanced Engineering Intern

August 2024-December 2024

- Developed a first-of-its-kind Wi-Fi HaLow scanner Android application that displayed information about nearby HaLow networks by collecting data over Bluetooth Low Energy from a Morse Micro development board.
- Collaborated with a UI Design team member to ensure an intuitive and visually appealing interface
- Performed field testing to evaluate the Morse Micro board's ability to detect Wi-Fi HaLow networks across different environments and ranges
- Facilitated project handoff by documenting processes and code on GitHub and Confluence and holding transfer meetings with the future developer

### Cleveland-Cliffs Inc, Middletown, OH

#### Process Control Engineer Intern

May 2023-April 2024

- Saved 300 hours annually on product searches through full stack development of coil tracking system in C#
- Created software to alert managers/engineers by text/email when the Cognex camera system wasn't operational
- Designed C# programs to track 12 coil cars between 2 after-pickle lines and read RFID tags using IFM technology
- Developed C# applications to display data on company websites saving quality control employees 1 hour daily
- Produced a screen in iFIX to present data to a weight scale operator along with VBA programs to update iFIX tags

### Cedar Fair Entertainment CO, Cincinnati, OH

May 2022-May 2023

#### Supervisor

- Simultaneously managed 15+ associates and supervised 6 independent food and drink stands maintaining operations generating up to \$20,000 revenue from the stands
- Completed inventory of 5 stands every Sunday night to document supplies to prevent loss and theft of product
- Analyzed use of 30+ products to ensure orders would provide supplies for next operating day, but not overstock
- Provided professional development for over 40 employees

## SKILLS

**Computer:** Python, C++, LabVIEW, MATLAB, VBA, C#, SQL, Android Studio, IOT, BLE, Soldering, Embedded Systems

## CLASS PROJECTS

### Pinball Machine/Mechatronics

December 2025

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- Programmed and wired an ATMEGA328P microcontroller to control solenoids for pinball flippers, a drop-down target, and the ball launcher, along with logic for detecting other switch hits to award points to the player
- Utilized the ATMEGA328P's Timer, SPI, and USART registers to generate interrupts, handle data transmission, control scoreboard display, and generate PWM signals to handle all aspects of the pinball machine

### Basic Fitness App/Software Engineering

May 2024-July 2024

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- Created an Android application using Android Studio to enable users to track caloric and protein intake, insert workout progress, and visualize trained muscles through a color-coded muscle diagram

### Autonomous Product Retrieval System/Engineer Design Thinking 1120

January 2022-April 2022

*University of Cincinnati, Cincinnati, OH*

- Designed an autonomous robot for navigating through a warehouse until locating a correct box via a barcode scanner then picking it up and transporting it to a drop-off zone with a team of 4 other students

Available for Full Time Work in June 2026