

# Miles Richmond

7210 Scots Ln  
Village of Lakewood, IL 60014  
(331) 575-3008  
[milesf.richmond@gmail.com](mailto:milesf.richmond@gmail.com)  
[github.com/milesrichmond](https://github.com/milesrichmond)

## EDUCATION:

**Iowa State University, College of Engineering** Ames, Iowa      Expected May 2029  
*Bachelor of Science in Computer Engineering*      GPA 3.58/4.00

**Crystal Lake Central High School** Crystal Lake, Illinois      May 2024  
GPA 4.24/4.00

## WORK EXPERIENCE:

**Cress Creek Commons Cobras Swim Team.** Naperville, IL      2021-2024

Coach

- Lead practices for swimmers aged 9-12 during the summer season
- Ensured swimmers were ready to start for their races during swim meets
- Assisted in correcting and improving swimmers' technique

## PERSONAL PROJECTS:

**Embedded Control Systems Experimentation**      Summer 2025

- Code written in bare-metal C for Arm-based microcontrollers
- Utilized PWM & I<sup>2</sup>C Communications to breakout boards
- Set the groundworks to build a fully custom quadcopter

## SKILLS:

- C, Java, C++, Swift

## ACTIVITIES AND LEADERSHIP:

Captain - District 155 Swim Team

Senior on Crystal Lake Central Track & Cross-Country teams

- Set example for incoming freshman during practices and events
- Pushing teammates to always give their best effort
- Lead the team when the coach was not present (e.g., during road runs)