

Miles Richmond

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EDUCATION:

Iowa State University, College of Engineering Ames, Iowa
Bachelor of Science in Computer Engineering

Expected May 2029
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
Coach

2021-2024

- 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 & I²C 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)