James Williams
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EDUCATION

Michigan State University, College of Engineering- Lansing, Mi ~ 3.8
Bachelor of Science, Computer Science May 2024 - May 2028

Allen Park High School, Allen Park, MI GPA: 3.50
High School Diploma September 2020 - May 2024
Honor roll

EXPERIENCE

Tim Hortons- Allen Park, MI | 2 Years
Cashier / Closer September 2022 - August 2024
- Delivered proficient customer service, managing high-volume orders with accuracy and efficiency, increasing customer satisfaction by over 20%

LEADERSHIP

Precision Agriculture Robotics Club- Allen Park, Michigan
Perception and Navigation September 2024 - Present
- Collaborated with a team of 15 members to create an autonomously controlled robot using Java
- Programmed vehicle control systems using microcontrollers (e.g., Arduino, Raspberry Pi) to automate sensor feedback, enhancing robot efficiency and accuracy

Formula SAE- East Lansing, Michigan
Electronics September 2024 - Present
- Designed and implemented embedded systems for real-time data acquisition and vehicle telemetry, optimizing system performance for speed and reliability.
- Collaborated with mechanical and electrical teams to integrate software and hardware components, optimizing overall vehicle electronics for competition.

FRC Robotics Team 815- Allen Park, Michigan
President and Lead Programmer January 2021 - August 2024
- Leadership: Directed a team of 20+ members, delegating tasks, supervising project timelines, and ensuring team cohesion
- Project Management: Led design, development, and deployment of competition-ready robots, encountering strict deadlines to decrease deadlines confronted by 80%
- Programming Expertise: Developed and implemented complex algorithms for robot automation using Java

TECHNICAL SKILLS

- C++ | Java | Python | HTML
- Website development
- Github | Gitlab

PROJECTS

- Website (Team815.com)