

Aiden Hockinberry

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Individual Summary

Driven high school senior with a strong foundation in mechanical engineering, 3D prototyping, and CAD design. Proven track record of academic excellence, hands-on technical projects, and community leadership.

Education

Rutherford B Hayes High School | Delaware, OH

- Aug 2023 - May 2027
- GPA: 4.0
- Class Rank: 60 of 361
- AP Computer Science Principles
- AP calculus AB

Marion Technical College | Marion, OH

- Aug 2023 - May 2027
- GPA: 3.8
- English Composition I
- English Composition II
- Engineering Drawings and Diagrams
- Intro to Engineering
- Oral Communications

Columbus State Community College | Delaware, OH

- May 2026 - Aug 2026
- GPA: 4.0
- Trigonometry

Honors & Awards

- Honor Roll (9th, 10th, 11th)
- Business Professionals of America (BPA): Placed #2 in the region (out of five school districts) for Business Law and Ethics; advanced to and competed at the State competition.

Technical Projects & Skills

- Engineering & Robotics:
 - Independent DIY Robotics: Designed, wound, and assembled a functional brushed motor, demonstrating practical knowledge of electromagnetism.
 - PC Building: Designed and built a custom gaming computer.
- 3D Modeling & Printing:
 - Proficient in Tinkercad and Autodesk Fusion, with experience in Blender.
 - Designed and printed complex functional and decorative items, including a Tesla Turbine, pendulum clock, ball bearings, a spinning decision maker, and Connect 4.
- Woodworking:
 - Constructed custom furniture and structures, including a cat tower, shelving units, and a bench.

Makerspace & Technical Training

- Facility Membership:
 - Joined the Point Makerspace at Otterbein University.
- Equipment Operations:
 - Trained on wood/metal shop equipment (drill press, table saw, miter saw, bandsaw, industrial sander).
- Metal Fabrication:
 - Trained on Metal Inert Gas (MIG) welding.

Extracurricular Activities

- Athletics:
 - Soccer: Member of the Soccer Club (Grade 11).
 - Track & Field: Participated in Track and Track Club (Grade 10), dedicating up to 16 hours per week during the season.
- Civic Engagement:
 - Advocacy: Formally petitioned the School Board to propose a later start time for students.
 - Business Professionals of America: Active member (Grade 11).

Volunteer Experience

YMCA | Delaware, OH

- Community Support: Participated in a Diaper Drive and assisted with local Halloween events.
- Event Coordination: Planned and executed Parents Night Out events; made "Christmas Elf" phone calls to community children.
- Facilities & Environment: Conducted trash cleanups, gardening, and landscaping (clearing bushes).