

Austin Matala
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EDUCATION

Bachelor of Science, Aerospace Engineering

University of Cincinnati, Cincinnati, OH

Expected Graduation: May 2028

GPA: 2.9

- Relevant Coursework: Fluid Dynamics, Thermodynamics, Engineering Measurements
- Honors and Awards: Member of the University of Cincinnati Honors College

Associate of Science, Electro-Mechanical Engineering

Sinclair Community College, Dayton OH

August 2020 - May 2022

GPA: 4.5

- Relevant Coursework Fluid Systems 3D Modeling AC/DC Circuits
- Honors and Awards: Member of the National Technical Honor Society

EXPERIENCE

Engineering COOP

Faxon Machining, Forest Park, OH

May 2024 - August 2024

- Conducted quality inspections on precision parts and assemblies for military grade ordnance.
- Performed and maintained MIL-STD salt fog corrosion tests, improving test chamber uptime and enabling 24/7 reliability.
- Ensured consistent components, surfaces, paint finishes, threads, and tolerance defects on multiple parts.
- Communicated results and processed feedback directly to engineers, project managers, and management to ensure streamlined communication.
- Created operating procedures for test chambers and inspection procedures by reducing testing time per part 10%.

Quality Assurance COOP

Faxon Machining, Forest Park, OH

- Inspected assemblies using military grade specifications and regulations to ensure product passed quality inspection.
- Identified, documented, and reported defects to implement corrective actions, reducing frequency of defects in the production process.
- Collaborated with engineering and production teams to resolve quality issues.
- Interpreted and read intricate blueprints to ensure precise tolerances and adherence to fabrication procedures.

Test Technician COOP

PoleZero, West Chester, OH

May 2022 - September 2022

- Performed professional standardized tests from engineering documents on professional circuit boards.
- Analyzed, identified, and corrected production defects and assembly errors.
- Communicate with assembly staff to ensure test procedures are accurate and followed.
- Utilized specification sheets, drawings, and blueprints to ensure component and circuit board reliability.

EXTRACURRICULAR ACTIVITIES

Chief Executive Officer

FIRST Robotics Team 325 Respawn Robotics, Hamilton, OH

2020 - 2022

- Initiated standard and organization of a 60+ member team, mandating and operating 10+ training programs.
- Maintained communication with team members and initiated efficient processes to ensure safety and understanding.
- Communicated and engaged with multiple news outlets to promote organization and public perception.

SKILLS

- LabVIEW | Python | MATLAB | SolidWorks (Certified CSWA) | Microsoft Excel | Circuit Wiring |
- DC Circuits | Electrical Testing | 3D Printing | Rapid Prototyping | Schematic Interpretation | Documentation