

# Kali Byrnes

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## Education

<b>University of Cincinnati</b> Bachelor of Science (B.S.) in Physics and Astrophysics   Minor in Computer Science Bachelor of Arts (B.A.) in Mathematics	<b>May 2026</b>
<b>Lakeland Community College</b> Associate of Science (A.S.) Associate of Arts (A.A.)	<b>May 2022</b>

## Professional Experience

<b>Recruitment and Outreach Student Worker   University of Cincinnati</b>	<b>February 2023 – Present</b>
<ul style="list-style-type: none"><li>Managed communications, 30-40 outbound calls, 5-10 inbound calls, and 50-100 emails per hour.</li><li>Presented on panels to 30 prospective students, providing insights on university life and admissions processes.</li><li>Achieved university's recruitment target of 50,000 enrolled students, an 8.6% increase in committed students.</li></ul>	
<b>Aviation Quality Engineering Intern   CTL Aerospace</b>	<b>May 2025 – August 2025</b>
<ul style="list-style-type: none"><li>Revised and maintained 800+ Product Specifications, ensuring accurate revision control for production release.</li><li>Created and updated Manufacturing Records, Nonconformance Reports, and Change in Design documentation in ERP system, ensuring traceability and compliance with aerospace quality standards, NADCAP and AS9100.</li><li>Prepared documentation summarizing nonconformances and corrective actions for Material Review Boards.</li><li>Inspected aerospace composite components using 3D scanners and GD&amp;T principles to verify compliance.</li><li>Ballooned and revised engineering drawings in DISCUS to identify key characteristics for manufacturing.</li></ul>	
<b>Process Engineering Intern   Lincoln Electric</b>	<b>May 2024 – August 2024</b>
<ul style="list-style-type: none"><li>Led 3 Lean Six Sigma training cohorts, for 15-20 department heads, engineers, and external customers.</li><li>Guided operators through continuous improvement initiatives across 40+ departments in 3 production plants, validating \$600,000+ in cost savings, verified by the Finance Department.</li><li>Built Power BI dashboards to track and visualize continuous improvement initiatives across all facilities.</li><li>Designed shadow boards in Solid Edge, sourced materials, and coordinated installation on assembly lines to improve efficiency and minimize waste.</li><li>Represented the Continuous Improvement Department in weekly KPI meetings with executive leadership.</li></ul>	
<b>Manufacturing Engineering Intern   Lincoln Electric</b>	<b>May 2023 – August 2023</b>
<ul style="list-style-type: none"><li>Managed incoming inventory and ensured on-time delivery to production lines.</li><li>Conducted stock audits and implemented corrective actions to improve inventory accuracy.</li><li>Redesigned storeroom layout to maximize space and support Kaizen continuous improvement practices.</li></ul>	

## Skills

**Interpersonal Skills:** Public Speaking, Leadership, Problem-Solving  
**Technical Skills:** Technical Writing, LaTeX, Lean Six Sigma, Microsoft Office, Power BI  
**Engineering Skills:** SolidWorks, Solid Edge, Visual Studio, Mathematica, Keyence VL700, DISCUS, GD&T  
**Programming Languages:** Python, C++ , R, Wolfram

## Related Experience

<b>Rocketry Club   Outreach Coordinator</b>	<b>August 2022 – Present</b>
<ul style="list-style-type: none"><li>Recruited members and created promotional materials. Participated in club engineering and design competitions. Pursuing NAR and Tripoli high power rocketry certifications.</li></ul>	
<b>American Institute of Aeronautics and Astronautics (AIAA)   Scholar</b>	<b>August 2022 – Present</b>
<ul style="list-style-type: none"><li>Attend technical lectures, regional and national conferences to network with industry professionals.</li><li>Named 2025 Rising Star in Aerospace Scholar.</li></ul>	
<b>Women in Aviation International   Active Member</b>	<b>August 2022 – Present</b>
<ul style="list-style-type: none"><li>Network with professionals within the aviation industry and attend the annual Women in Aviation Conference.</li></ul>	