

Kali Byrnes

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Education

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

Professional Experience

Recruitment and Outreach Student Worker University of Cincinnati	February 2023 – Present
<ul style="list-style-type: none">Presented on panels to 30 prospective students, providing insights on university life and admissions processes.Managed communications, 30-40 outbound calls, 5-10 inbound calls, and 50-100 emails per hour.Achieved university's recruitment target of 50,000 enrolled students, an 8.6% increase in committed students.	
Aviation Quality Engineering Intern CTL Aerospace	May 2025 – August 2025
<ul style="list-style-type: none">Performed inspections on aerospace composite components using Keyence VL700 3D scanners and GD&T principles to verify compliance with engineering prints.Created and updated Manufacturing Records, Nonconformance Reports, and Change in Design documentation in PLEX ERP, ensuring traceability and compliance with aerospace quality standards, NADCAP and AS9100.Ballooned and revised engineering drawings in DISCUS to identify key characteristics for manufacturing.Prepared documentation summarizing nonconformances and corrective actions for Material Review Boards.Revised and maintained 800+ Product Specifications, ensuring accurate revision control for production release.	
Process Engineering Intern Lincoln Electric	May 2024 – August 2024
<ul style="list-style-type: none">Designed shadow boards in Solid Edge, sourced materials, and coordinated installation on assembly lines to improve operator efficiency and minimize lean manufacturing waste.Led 3 Lean Six Sigma training cohorts, for 15-20 department heads, engineers, and external customers.Guided operators through continuous improvement initiatives across 40+ departments in 3 production plants, validating \$600,000+ in cost savings, verified by the Finance Department.Built Power BI dashboards to track and visualize continuous improvement initiatives across all facilities.Represented the Continuous Improvement Department in weekly KPI meetings with executive leadership.	
Manufacturing Engineering Intern Lincoln Electric	May 2023 – August 2023
<ul style="list-style-type: none">Managed incoming inventory and ensured on-time delivery to production lines.Conducted stock audits and implemented corrective actions to improve inventory accuracy.Redesigned storeroom layout to maximize space and support Kaizen continuous improvement practices.	

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

Extracurricular Activities

Rocketry Club Outreach Coordinator	August 2022 – Present
<ul style="list-style-type: none">Focus on recruiting members and creating promotional materials while participating in club engineering and design competitions to pursue NAR and Tripoli high power rocketry certifications.	
American Institute of Aeronautics and Astronautics Active Member	August 2022 – Present
<ul style="list-style-type: none">Regularly attend technical lectures, regional and national conferences to network with industry professionals. <p>Named 2025 Rising Star in Aerospace Scholar.</p>	
Women in Aviation International Active Member	August 2022 – Present
<ul style="list-style-type: none">Network with professionals within the aviation industry and attend the annual Women in Aviation Conference.	