

# Kali Byrnes

Cincinnati, Ohio | (440) 867-4896 | byrneskali@gmail.com | linkedin.com/in/kali-byrnes

## 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	May 2026
<b>Lakeland Community College</b> Associate of Science (A.S.) Associate of Arts (A.A.)	May 2022

## Professional Experience

<b>Aviation Quality Engineering Intern   CTL Aerospace</b> • Performed inspections and 3D scans of aerospace components using Keyence VL700 to support AS9100 and NADCAP compliance. • Created and managed quality tracking systems for GE and Lockheed Martin programs, improving triage and inventory visibility. • Standardized engineering documentation across 800+ parts, improving maintainability and system efficiency.	May 2025 – Present
<b>Recruitment and Outreach   University of Cincinnati</b> • Presented on panels to groups of 30 prospective students and their families, providing insights on university life and admissions processes. • Managed high-volume phone and email communications, handling 30-40 outbound calls, 5-10 inbound calls, and 50-100 emails per hour. • Assisted in achieving the university's recruitment target of 50,000 enrolled students, helping to drive an 8.6% increase in committed students.	February 2023 – Present
<b>Process Engineering Intern   Lincoln Electric</b> • Designed and implemented process improvements using Solid Edge CAD, increasing production output and saving \$600K annually. • Led Lean training sessions for management and stakeholders to support continuous improvement goals. • Met weekly with company leadership to review progress, resolve bottlenecks, and align initiatives across departments.	May 2024 – August 2024
<b>Manufacturing Engineering Intern   Lincoln Electric</b> • Managed inventory logistics from receiving to production, reducing downtime and improving material flow. • Conducted stock audits, addressed discrepancies, and implemented layout improvements for efficient storage. • Collaborated with operators and department leads to identify shortages and streamline inventory systems.	May 2023 – August 2023

## Skills

**Interpersonal Skills:** Public Speaking, Leadership, Problem-Solving

**Technical Skills:** Technical Writing, LaTeX, Lean Six Sigma

**Engineering Skills:** SolidWorks, Solid Edge, Visual Studio, Mathematica, Microsoft Office, Power BI

**Programming Languages:** Python, C++, R, Wolfram

## Extracurricular Activities

<b>Rocketry Club   Outreach Coordinator</b> • 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.	August 2022 – Present
<b>American Institute of Aeronautics and Astronautics   Active Member</b> • Regularly attend technical lectures, regional and national conferences to network with industry professionals. Named 2025 Rising Star in Aerospace.	August 2022 – Present
<b>Women in Aviation International   Active Member</b> • Network with professionals within the aviation industry and attend the annual Women in Aviation Conference.	August 2022 – Present