MALINDA WILLIAMS

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EDUCATION

B.S. Mechanical Engineering & B.A. Fashion Merchandising — Expected Graduation 05/2029

North Carolina A&T State University - Greensboro, NC

- 3.57 GPA
- Leadership in Engineers Acceleration Program (LEAP)

Howard High School - Ellicott City, MD — 05/2025

- Honor Roll and Dual Enrollment Student (HCC/Rochester Institute of Technology)
- Project Lead the Way (Engineering Career Academy)

PROFESSIONAL SUMMARY

Engineering student skilled in CAD, 3D printing, and wearable technology development.

PROFESSIONAL EXPERIENCE

HackNCAT 9.0: "Hack Island" 2nd Place Chevron Winner

PuraFlow Smart Monitoring System – Team *Pura Vida* — 03/2026

- Built a Raspberry Pi–based system to monitor and detect pump overheating.
- Integrated sensors and developed an alert system with automated ticketing and AI summaries; delivered a working prototype in 24 hours.

NASA Shadow — 08/2023

Goddard Space Fight Center – Greenbelt, MD

- Observed multiple meetings from the DraMS team, identifying flaws within their design using CAD and testing forms.
- Designed, modeled, and 3D printed miniature models of NASA's Dragonfly for Titan Mission.

Small Business Owner — 03/2023 to 03/2025

MPRINTS: Custom 3D Printed Apparel – Ellicott City, MD

- Developed a business plan outlining concept, and implementation strategies for a new product concept.
- Created CAD models in Fusion 360 and AutoCAD; maintained 3D printers for prototyping.

SKILLS & TOOLS

- Design & CAD: AutoCAD, Autodesk Fusion 360, SolidWorks 2025
- Programming: Python, Visual Studio Code
- Productivity: Microsoft Office, G-Suite, Arduino
- Soft Skills: Problem solving, adaptability, quick learning

LEADERSHIP AND ACTIVITIES

- Programs Zone Intern - National Society of Black Engineers, Miss AECE Intern - Aggies for Engineering and Community Enrichment, & Vice President Intern - Fashion X-Cetera
- Member - NAACP, Baja SAE (Off-Road Engineering Competition) , & Society of Women Engineers (SWE)

CERTIFICATIONS

- **Python Programming for Beginners** – Anyone Can Code: Udemy, Aug 2023
- **Autodesk Fusion 360** - Certiport: June 2024

LANGUAGES

American Sign Language - Proficient