

# MALINDA WILLIAMS

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## EDUCATION

B.S. Mechanical Engineering & B.A. Fashion Merchandising  
North Carolina A&T State University - Greensboro, NC

Expected Graduation 05/2029

- 3.12 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)
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## PROFESSIONAL SUMMARY

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

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## 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 Flight 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.
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## SKILLS & TOOLS

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

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

## LANGUAGES

American Sign Language - Proficient

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