

Bailey Norwood

+1 (313)-982-2186 | bailey.norwood14@gmail.com | [linkedin.com/in/baileynorwood](https://www.linkedin.com/in/baileynorwood) | bailsn.github.io

EDUCATION

University of Michigan

B.S.E. in Computer Science Engineering

Ann Arbor, MI

Expected Graduation: May 2026

TECHNICAL SKILLS

Languages: C/C++, Java, Python, SQL, JavaScript, HTML/CSS

CAD: Siemens NX, Solidworks

Developer Tools: Git, MATLAB, WSL, Docker, VS Code, Visual Studio, Wireshark, Jira, Bitbucket, Blender

EXPERIENCE

Software Engineering Intern

May 2024 – Present

Venturi Astrolab

Hawthorne, CA

- Designed an accurate network emulator for observing round-trip network communication on the moon and on the earth.
- Built algorithms to maximize efficiency and accuracy for capturing network data.
- Worked on and completed camera and laser tests designed for moon environment safety, GNC, and usability.

Seek Mentor

June 2023 – Aug. 2023

National Society of Black Engineers (NSBE) - Summer Engineering Experience for Kids

Detroit, MI

- Proactively engaged and taught underrepresented k-5 youth in the Metro Detroit area of engineering principles, careers, and opportunities
- Produced educationally rewarding activities and lessons to teach students core fundamentals in robotics, drones, and coding for bi-weekly competitions of which the class won first place in two.
- Maintained and provided leadership in a safe classroom environment to facilitate productive learning and growth for students.

Technical Marketing Intern

June 2022 – Aug. 2022

Siemens

Livonia, MI

- Redesigned web pages on the Technical Marketing Team cite page for easier readability and better UX.
- Designed a CAD model for the computer housing of a driving simulator.
- Produced videos using Camtasia and focused on sharpening video editing.

LEADERSHIP AND INVOLVEMENT

Black Students in Aerospace (BSA)

Outreach Chair

May 2024 – Present

- Reorganized and planned 3 engineering events and opportunities for k-12 students in the upcoming year.

Co-Events Coordinator

May 2023 – May 2024

- Maintained seamless communication and collaboration for BSA events with corporate sponsors and partner organizations.
- Organized and led events based on topics such as DEI, professional development, and personal growth.

Michigan Aerospace Cybersecurity Team (M-ACT)

Risk Manager

Aug. 2023 – Dec. 2023

- Researched and communicated possible risks involved with drone components during the pre-design process of the drone.
- Identified and recorded risk levels on a scale of 1-5 on team risk FMEA report based on importance of risk of components and software of team drone.
- Drafted and communicated risk management strategies doc and FMEA burndown matrix the team.

HONORS

Patti Grace Smith Fellow

2024

- A competitive Aerospace fellowship focused on driving meaningful change in the aerospace industry.

National Cyber Scholar

2023

- A scholarship reward for being a top competitor in the National Cyber Foundation's Cyber Security challenge.