

Yohan Mbuyu

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Blacksburg, VA

Education

Virginia Tech B.S. Aerospace Engineering, Junior expected graduation in May 2027. Blacksburg, VA

Skills

- MS Office Suite, SolidWorks, and Mathematica
- MATLAB
- Trilingual (English, French, Lingala)

Work Experience

Delta Air Lines, Liaison Engineering Co-op (May 2024-Present)

- Created and substantiated various Engineering Repair/Authorizations for damaged aircraft using mathematical calculations and critical reasoning. Damage cases included metal, composite, and systems damaged components
- Designed various aircraft permanent repairs under 1–2-day time frames for damaged aircraft using manufacturers' manuals
- Created a process improvement project and training manual to facilitate the workflow in the Liaison Engineering Department
- Communicated with aircraft and component OEMs (Boeing, Airbus) multiple times to obtain repair suggestions

Intramural Sports Supervisor (August 2024-Present)

- Manage 50+ student employees per day by facilitating tasks, managing payroll, and providing constructive feedback
- Coordinate 13+ team sport activities for a comprehensive intramural sports program serving 8,400+ participants annually
- Address, diffuse, resolve, and communicate onsite incidents such as ejections, protests, and eligibility issues

Leadership

NSBE Region II Charter/Membership Chairperson (May 2025-Present)

- Oversee the process of chartering and developing NSBE Jr., Collegiate and Professional chapters within the Region.
- Organize membership registration process and mass flow for over 1000 members at all NSBE Region II conferences.
- Maintain membership engagement through various initiatives and collaborations and maintain records of membership data.

NSBE Region II O-Zone Coordinator (May 2024-April 2025)

- Bridge the gap between more than 10 NSBE presidents from across Virginia and the Region II Executive Board
- Organize Zone summits bringing together 80+ NSBE members from the O-Zone during the Fall and Spring semesters
- Coordinated workshops, professional development, and academic development activities throughout multiple conferences

Galileo Living Learning Community Mentor (August 2023-Present)

- Guided and supported a group of 10 freshmen in the Living Learning Community for Engineers at VT
- Work in professional development programs, serving as point of reference for incoming engineering students
- Offer advice to mentees about important events, tests, classes, course scheduling, and college wellness

International Student Support Team – Vice President (August 2023-February 2024)

- Organize 5-6 workshops per semester oriented towards supporting other international students
- Lead a group of 5 international students in organizing social, academic and professional development events

Design Activities

Design, Build, Fly Design Team, Systems Sub team (August 2023-April 2025)

- Collaborate with ~ 30 engineering students to design an RC Plane for intercollegiate competition
- Design and assist manufacturing and testing of the fuselage & landing gear of the model to finalize prototype

Awards

- **US President's Award for Educational Achievement** (2022)
- **Center for the Enhancement of Engineering Diversity: Outstanding Student Award** (2023)
- **Delta Liaison Co-ops Best Presentation Content Award** (Summer 2024)
- **Delta Liaison Co-ops Best Presentation Delivery Award** (Spring 2025)
- **Delta Liaison Co-ops Best Overall Co-op Award** (Summer 2024, Spring 2025)