

SIMBARASHE MASUKUME

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EDUCATION

Ashesi University

BSc. Mechatronics Engineering

Berekuso, Eastern Region, Ghana

Expected Date of Graduation: June 2029

ACHIEVEMENTS/AWARDS

The MasterCard Foundation Scholar Program Scholarship, Ashesi University **Sep 2025 - Present**

Ashesi Student Council Member of Parliament **Sep 2025 - Present**

WORK EXPERIENCE

AfriCan Centre Library

Apr-Aug 2024

- Managed library resources and supported students in accessing academic materials
- Assisted with library organisation and day-to-day resource management

Mirah Coaches

Jan – Jul 2025

- Operated a commercial mini-truck, supporting transportation and delivery operations
- Demonstrated responsibility, time management, vehicle handling and operational discipline

MoMo MTN Fintech Campus Ambassador

Oct 2026 - Present

- Represent the company to students, staff, and faculty
- Increase the usage and acceptance of MoMo App on campus

PROJECT AND RESEARCH

HarvestIn Co.

Oct 2025 – Present

- Conducted research aimed at improving efficiency in the agricultural value chain
- Analyzed challenges in production, supply chain, cold chain and market access

Project Delta

Jan 2026 - Present

- Designing and developing an automated robotic system(manipulator) for object sorting using embedded systems and control algorithms
- Applying programming and control systems in real-world engineering design

CO-CURRICULAR ACTIVITIES

Ashesi University College, Mentor

Oct – Dec 2025

- Mentored 20 high school students in robotics design at Twafoma Senior School
- Guided students in designing a prototype autonomous robotic tour guide capable of navigation and interactive information delivery.

Vice President, Youth for Change, Ghana

Dec 2025 – Present

- Support the planning and coordination of youth outreach programmes
- Contribute to communication and community engagement

Ashesi Robotics Club

Jan 2026 – Present

- Serve in the mechanical team
- Contribute to CAD modeling, manufacturing, fabrication, and electronic assembly

SKILLS

- Programming Languages: C, C++, SQL and Python (High Proficiency)
- PowerPoint and Excel
- American Sign Language, and Zimbabwean Sign Language
- SolidWorks, MATLAB

REFERENCES

Available upon request