

MUFARO MAKIWA

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[LinkedIn](#) || [GitHub](#) || [Hackerrank](#)

EDUCATION

Massachusetts Institute of Technology (MIT)

Cambridge, MA

Candidate for Bachelor of Science in Electrical Engineering and Computer Science

Expected Graduation: May 2023

Current course work: Circuits and Electronics, Introduction to Algorithms, Differential Equations, Electricity and Magnetism

Kutama College

Harare, Zimbabwe

Overall Best Student in Class of 100 students

November 2017

SAT: 1430, SAT II - Math Level 2: 800, Physics: 800, Chemistry: 800

Relevant courses: Mathematics, Further Mathematics, Physics, Chemistry

WORK EXPERIENCE AND PROJECTS

Motapa Technologies

Cambridge, MA

DevOps Engineer Intern

June 2020 - present

- Work in the Research, Design and Development Group which consist of multiple teams, including Identity and Access Management, Integrations, and Platform Development and Support.
- Developed the Motapa Technologies Android app in **Java** going through design reviews, and launching internally.
- Improved the Motapa Location Encoding System, an extension of Google Maps, and implemented it in the Android App which helps in navigating to places that cannot be reached using any other Location Encoding Systems with over 90% accuracy.

MIT Electrical Engineering and Computer Science Department

Cambridge, MA

Fundamentals of Programing in Python Class Lab Assistant

September 2020 – present

- Assist students during office hours and in weekly programming assignments to simplify programming concepts learnt in class
- Gained better understanding of the fundamentals of programming in **Python** through explaining them to other students.

MIT Alumni Association

Cambridge, MA

Tech Caller

September 2019 - present

- Build and maintain relationships with alumni, parents and friends of MIT while raising funds, creating partnerships, and maintaining records.

SKILLS

Python, Java, Android Development, Microsoft Excel, Microsoft PowerPoint, Microsoft Word

LEADERSHIP EXPERIENCE

Debate and Public Speaking

Harare, Zimbabwe

Fourth Speaker

January 2016 – November 2017

- Facilitated the research for our arguments and supporting evidence
- Awarded the Provincial Championship and represented the Province at the National Debate Competitions.

Student Government

Harare, Zimbabwe

School Captain

August 2016 – August 2017

- Led a team of 25 prefects responsible for maintaining order around the school.
- Successfully implemented an honor and misconduct schedule that specified appropriate disciplinary measures for all acts of misconduct and started a weekly school-wide cleaning campaign which improved the cleanliness of the school.

AWARDS AND HONORS

- Awarded National Silver Medal in Physics Bindura University Science Olympiad
- Fourth best student nationally in Bindura University Mathematics Olympiad exam
- Overall Best Advanced Level Student for the Kutama College class of 2017
- Best Student in Advanced Level Mathematics, Physics and Chemistry
- Recognition for being the Kutama College School Captain