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**Samuel Mucyo**

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**Education**

**HARVARD UNIVERSITY**

B.A Intended Concentration: Computer Science

Relevant Coursework: Abstraction and Design in Computation, Introduction to Computer science, Science in the Age of Artificial Intelligence Seminar, Integration, Series and Differential Equations.

Cambridge, MA

May 2025

**LYCEE DE KIGALI**

Valedictorian, Rwanda Math Olympiad Finalist,

Placed first in Math and Computer Science National Examination

Kigali, Rwanda

February 2020

**Projects and Activities**

**ATTENDANCE WEB APPLICATION**

**Personal Project**

Kigali, Rwanda

Nov 2021 – Dec 2021

- Built a flask web application to help mark attendance of students and employees using facial recognition.
- Optimized the design of the application to scan and store facial encodings of attendees faster, used later to mark attendance in real-time.

**MAKERS ROBOTICS ACADEMY**

**Team Leader**

Kigali, Rwanda

January 2019 – March 2019

- Led a team of 10 students to program a robotic model that can help in cultivating, planting seeds, and irrigating crops, using RobotC.
- Reported the progress of the project, along with proposed plans to ensure the team met our timeline metrics.

**Experience**

**FUTURE FOCUS**

**Programming Instructor**

Kigali, Rwanda

March 2020 – July 2021

- Taught 47 high school students to program in Python, C++, and Java.
- Guided students in detecting and debugging errors in their programs.

**VIRTUAL ED (Non-Profit)**

**Math & Computer Science Tutor**

Remote

July 2020 – April 2021

- Held classes, providing tutoring for 35 students in middle and high school students after school closures.

**Skills & Interests**

**Programming Languages:** Python, C++, Java, Ocaml, JavaScript, Swift

**Web development:** HTML, CSS, SQL, Flask

**Languages:** Kinyarwanda (native), Kirundi (Intermediate), Swahili (beginner)