

Samuel Mucyo

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EDUCATION

Harvard University, Cambridge, MA **Expected Graduation:** May 2025
Dual Concentration in Computer Science and Mathematics
Relevant Coursework: Abstraction and Design in Computation, Algorithms and their Limitations, Artificial & Natural Intelligence, Discrete Math, and Probability

Lycee de Kigali, Kigali, Rwanda February 2020
Valedictorian, Rwanda Math Olympiad Finalist,
Placed first in Math and Computer Science National Examination

SKILLS

Programming Languages: Python, C, C++, Java, Ocaml, JavaScript, Swift
Web development: HTML, CSS, SQL, Flask
Frameworks / Technologies: Jenkins API, SQL, Linux, Git, Flask, AWS, Metabase

RELEVANT EXPERIENCE

Amazon Web Services, Redmond, WA **06/2022 – 08/2022**
Software Dev Engineer Intern

- Designed and implemented a serverless data lake to continuously pull, analyze, and process data to provide meaningful insights within a given time frame.
- Linked the data lake with Metabase to provide visual analytics/metrics to guide better and informed decisions.

CS50: Harvard's Introduction to Computer Science, Cambridge, MA **08/2022 – 12/2022**
Teaching Fellow

- Lead weekly sections of 13 students, host office hours, and grade student projects and problem sets. Develop in-class exercises on programming languages: C, Python, HTML, CSS, JavaScript

PROJECTS

Attendance Web Application | *Languages: Flask, Python, HTML, CSS, JavaScript, SQL*

- Built and optimized a flask web application to help mark the attendance of students and employees using facial recognition.

LEADERSHIP & EXTRACURRICULAR

Makers Robotics Academy **01/2021 – 03/2021**
Team Leader

- Led a team of 10 students to program a robotic model that can help in cultivating, planting seeds, and irrigating crops using RobotC.