Siyabonga Mabuza

815 North Broadway, Saratoga Springs, NY
mabuzasiyabonga2001@gmail.com
https://www.linkedin.com/in/siyabonga-mabuza-aa9794225
https://github.com/SiyabongaMabuza

EDUCATION

Skidmore College, Saratoga Springs, NY
Bachelor of Arts Computer Science & Economics
Anticipated Graduation: *May 2025*

LANGUAGES

Python – *3 years*
Java – *2 years*
HTML/CSS/JavaScript - *2 years*
Stata – 1 year

SKILLS

Algorithms and Data Structures
Front-end development
Excel
Communication
Leadership

EXPERIENCE

Skidmore Learning Experience Design & Digital Scholarship Support (LEDs)
Digital Media and VR Assistant
September 2022-Present

- Lead workshops for 2D game design utilizing the Godot game engine to enhance educational experiences for students.
- Developed and deployed websites using WordPress, contributing too improved student learning outcomes.
- Leveraged Adobe Creative Suite for video editing to support both students and faculty in achieving course objectives.
- Orchestrated VR simulations for students, enriching their learning experience.

PROJECTS

Compiler Project

- Engineered a compiler from scratch using B-minor and C programming language.
- Generated target code from an abstract syntax tree, showcasing an understanding in low-level programming concepts, algorithms, and data structures.

CodePath Web Development

- Development of a website dedicated to raising awareness on social issues in Eswatini, employing HTML, CSS, and JavaScript.
- Collaborated within a team to develop the front end, fostering a comprehensive understanding of web development.