

Johnbosco Muiruri

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SKILLS

Development Processes

Fullstack, CI Pipeline, API Integration, Unit Testing, Agile

Languages

JavaScript, Python, C++ TypeScript, R, MATLAB

Technologies/Frameworks

Node JS, Express.js, Bootstrap, Angular Django, Git

Libraries & APIs

jQuery, React JS, Redux, PokeAPI

EDUCATION

Bachelor of Science in Computer Science

May 2025

Minor in Mathematics

University of Houston

Associate of Science, Specialization: General

May 2023

Houston Community College

GPA: 3.143

PROJECTS

Portfolio Website [🔗](#)

May 2022

HTML, CSS, jQuery

Technical Document Page [🔗](#)

Aug 2022

HTML, CSS

- Created an informational web page offering tips and tricks for C++ and C coding languages.
- Designed and developed a user-friendly web page to present coding tips for target languages.

Tribute Page [🔗](#)

Oct 2022

HTML, CSS, JavaScript

- Developed a tribute page dedicated to Michael Jordan, incorporating user interaction.
- Designed and coded a tribute page highlighting Michael Jordan's achievements, featuring an interactive quote generator.

Pokédex [🔗](#)

Dec 2022

Javascript, React, Redux, PokéAPI

- Sought to create a real-life Pokedex application interfacing with the PokéAPI for comprehensive Pokémon information.
- Developed a user-friendly web application utilizing JavaScript, React, and Redux to display detailed Pokémon data.
- Successfully delivered a functional Pokedex application, enabling users to search for and view extensive Pokémon details

COURSES

Calculus 2

- Covered integration techniques applications.
- Learned and Implemented sequences, series, and alternative coordinate systems.

Linear Algebra

- Learned Branch of mathematics that deals with vector spaces and linear mappings between them.
- Covered the study of lines, planes, and their transformations.

Discrete Mathematics

- Learned mathematics that focuses on countable, distinct, and separate objects and relationships.
- Implemented and covered solving problems in computer science and various other fields
- Learned Set Theory, Combinatorics, and Graph Theory

Computer Organization & Architecture

- Studied and learned how computer hardware components work together to execute instructions and manage data
- Including the design and organization of processors, memory systems, and input/output devices.

Programming and Data Structures

- Learned to design and implement algorithms and efficient data storage techniques to solve complex problems.
- Learned and implemented algorithm design, time and space complexity, and Software Development
- Other thing learned include dynamic programming, searching and sorting algorithms, and graph algorithms

ORGANIZATIONS

National Society of Black Engineers [🔗](#)

Aug 2023

A dedicated member of the National Society of Black Engineers (NSBE), committed to promoting diversity and excellence in engineering and technology, while actively engaging in opportunities for personal growth, leadership, and community impact within the field.