BOCAR JALLOW JR.
SOFTWARE ENGINEER

Education

Morgan State University   Aug. 2019 to May 2024
B.S. Computer Science

Work Experience

Undergraduate Research Assistant ·   June 2023 to Aug. 2023
CEAMLS Summer AI Research Institute
Engaged in research using Unreal Engine VR and Unity VR to manipulate 3D rendition of storm clouds.

Virtual Instructor · The Be. Org - Be. Virtual   June 2021 to Current
Lead five, five hour, sessions a week with minimal oversight and assistance.
Effective delivery of all identified educational content in a professional manner.
Teaching C# and VR design fundamentals to high school students.

Projects

Shadow's Obsession: Vault of History - HBCU Game Jam 2023   Feb. 2023
In this game, written in C# on Unity, players take on the role of a thief, the Shadow Man, who is trying to escape from a museum of African American history after stealing an artifact.
The museum comprises of several wings, each with different rooms or levels.
To progress through the wings, players need to avoid the security guards who are on high alert.

Bill Tracker - Object-Oriented Programming Class   Dec. 2022
My final project for this class is a C++ program that inputs monthly bills and finds the total amount.

Rock Paper Scissors Game - Personal Project   June 2021
Allows the user to play rock paper scissors against the computer in C# programming language

Bank Account Handler - Personal Project   May 2021
A C# program that allows a user to use a bank account and deposit, withdraw and report fraud.

Activities

AWS Deep Racer Competition   Aug. 2023
Used AI/ML skills to train a simulated car to race around a track.

Strong Men Overcoming Obstacles Through Hardwork (SMOOTH) ·   Oct. 2022 to Current
Event Coordinator
Educate, develop, organize, and empower young men in effort to improve their graduation and retention rates while in public schools, colleges and universities.

Active Minds MSU · *Finance VP, Mister Active Minds*   May 2022 to Current
Advocate, educate, and spread awareness of mental health problems in the african american community.

JP Morgan Chase Hackathon   Nov. 2019
JP Morgan Chase hosted a hackathon where a team had 10 hours to code a program that help society or informs people about finance.
My team received 3rd place with an app that contacted the police with the user's picture and info and continues to update the location every 5 mins.

Society for the Advancement of Computer Science (SACS) · *Member*   Oct. 2019 to Current
Google Coding Challenge   Oct. 2019
Google hosted a Coding Challenge to help new coders practice their coding and critical thinking skills in a low-pressure environment while also having fun.

O'Connell Hall Inter-Residence Council · *Secretary*   Oct. 2019 to May 2020

Awards

HBCU Game Jam 2023 · **Most Technically Challenging Game**   Feb. 2023
Morgan State University · **Clara I. Adams Honors College**   Aug. 2019
100 Black Men, Chapter of Greater Madison · **100 Scholars Award**   Nov. 2018
Outstanding achievement in academics throughout the greater Madison area. Only six in the district were selected for this award.

Contact

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⌂ bojallow

Skills

PROGRAMMING LANGUAGES
Python
C# Certified 2021
HTML
C++

LANGUAGES
Spanish - Fluent
French - Intermediate

TECHNICAL SKILLS
Jira
Agile
IT Support
Front-End Web Development
Back-End Web Development
Game Design
Full Stack Development
Unity VR
Unreal Engine 5 VR

Relevant Coursework

Video Game Design
Software Engineering
Data Structures and Algorithms
Object Oriented Programming
Cybersecurity
Organization of Programming Languages
Computer Systems
Computer Architecture
Operating Systems
Data Science
Discrete Structures
Linear Algebra
Calculus 2
Calculus 1