

David Mbagwu

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EDUCATION

McNeese State University

Bachelor of Science in Computer Science

Lake Charles, LA

Aug. 2023 – May 2027 GPA: 3.7

Loyola Jesuit College

High School Diploma

FCT, Abuja

Aug. 2016 – May 2022

EXPERIENCE

Undergraduate Teacher's Assistant

McNeese State University

January 2024 – Present

Lake Charles, LA

- Tasked with managing and organizing student academic resources and files.
- Tasked with creating spreadsheets and database management for student information and projects.
- Tasked with tutoring students periodically and explaining issues in their coursework and projects.
- Tasked with providing feedback on student sessions to my professor and helping with other tasks and activities.

Invite-Only Programs

NVIDIA Summer Bridge Series

Summer 2024

PROJECTS

NSBE Points System | *Python, Django, JavaScript, PostgreSQL, HTML, CSS*

May 2024 – Present

- Developed a full-stack web application using a Django web framework with HTML and CSS as the frontend
- Implemented Django SQLite Database to get and manage data from registered users
- Visualized GitHub data to show collaboration
- Set up a dynamic events registration platform for users
- Set up a points-allocating platform for users based on user involvement. A Ranking system was put in place to motivate users as well.

Commerce | *Django, Python, Bootstrap, HTML, CSS, PostgreSQL*

May 2024 – June 2024

- Developed a website designed using the Django web frame for displaying active bid listings.
- Provides users with the option of adding, removing, and categorizing bids based on set-up categories.
- Offers a login, logout, and register feature that stores and accesses data off an SQLite database, and manipulates the web page to respond uniquely to its registered user.

Google Search Clone | *Bootstrap, HTML, CSS, JavaScript*

April 2024 – May 2024

- Developed a website designed to clone the Google Search, Google Advanced Search, and Google Image Search web page.
- Fetches user input to carry out searches using distinctive Google search queries.
- Provides links and paths to the various Google resources and web platforms available on the cloned web pages.

Weather App | *Bootstrap, HTML, CSS, JavaScript, API's*

April 2024 – May 2024

- Developed a web-based application that utilizes "Open Weather Map" APIs to display current weather conditions.
- Dynamically displays current Temperature, humidity, Weather conditions, and Wind speed levels in the various locations inputted by the user.

Amazon Clone | *Bootstrap, HTML, CSS, JavaScript, React, Django, SQLite*

June 2024 – July 2024

- Designed an interactive clone of the Amazon landing homepage designed with HTML, CSS, and JavaScript.
- Comprises of multiple product and item display containers; each leading to their designated product information web page.
- Provides a dynamic cart enabling users to add and remove products. Products are stored in an SQLite database and accessed through it.

TECHNICAL SKILLS

Programming: Java, Python, SQL (Postgres), JavaScript, HTML/CSS, Git, Django, Flask

Relevant Coursework: Computational Thinking (Python), Algorithmic Thinking (Discrete math + Algorithms), Linear Algebra, Statistics

Professional Organizations: National Society of Black Engineers, ColorStack, Association of Computational Mechanics