

CHIEMEZUO NJOKU

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EDUCATION

University of Southern Mississippi, Hattiesburg MS
Bachelor of Science in **Computer Engineering**

May 2028
GPA-4.00

Relevant Coursework: Introduction to Programming (Python), Introduction to Programming II(C++), Introduction to Computer Engineering, Fundamentals of Chemistry, Calculus I, Calculus II, Electrical Circuit Analysis, Data Structures and algorithms, Digital Logic gates, Computer Systems

SKILLS

Programming Languages: Python, C++, Html, CSS, JavaScript

Libraries & Tools: NumPy, Pandas, SciKit-Learn, AutoCAD, Microsoft Office Suite

Concepts: Data Structures and Algorithms, Object Oriented Programming, Linear Regression

EXPERIENCE

CodePath Technical Interview Prep

June 2025 – August 2025

- Developed and optimized algorithms under time constraints, simulating real-world technical interview conditions.
- Collaborated in a peer-learning environment to explain solutions, debug code, and communicate effectively during technical discussions.
- Strengthened communication and collaboration skills through team problem-solving sessions and code reviews.

Intramural Sports Official (on-campus)

August 2024 – May 2025

- Officiated campus sports events while managing academics, showcasing time management, conflict resolution, and communication skills

TECHNICAL & PERSONAL PROJECTS

USM eats – HTML/CSS/JavaScript/python

September 2025

- Developed a web platform where students can view daily dining hall meals, read meal descriptions, and see ratings left by other students.
- Built an interactive 5-star rating system using JavaScript.
- Created responsive meal cards using HTML, CSS, and Bootstrap.

Mecanum Wheel Robot – Python/Arduino

April 2025 – June 2025

- Built an omnidirectional robot car using mecanum wheels, enabling full 360° mobility.
- Programmed control algorithms in Arduino to manage movement precision and vector-based navigation.
- Collaborated on hardware-software integration, troubleshooting motors and sensors to optimize performance.

House Price Predictor – Machine Learning (Python, Scikit-Learn)

August 2025

- Trained a linear regression model on 1000+ housing records, achieving an R^2 score of 0.85.
- Applied data preprocessing, outlier handling, and normalization to improve model accuracy.
- Visualized price trends and model predictions using Matplotlib and Seaborn.

Music Genre Predictor – Machine Learning (Python)

December 2024

- Built a demographic-based music genre classifier using supervised learning.
- Evaluated model performance using confusion matrices and cross-validation.
- Engineered features from age, gender, and song metadata to improve prediction accuracy

Portfolio Website – HTML/CSS

July 2025

- Developed a responsive personal site to showcase projects, skills, and experience.
- Implemented clean, mobile-friendly design principles and organized project content for easy navigation.

LEADERSHIP EXPERIENCE

National Society of Black Engineers – Public Relations officer

July 2025 – Present

- Manage and maintain NSBE chapter social media accounts to promote events and initiatives.
- Create awareness and recruit new members to grow chapter engagement.
- Coordinate and communicate with other student organizations for collaborative events.
- Represent NSBE in outreach efforts to foster partnerships and community involvement.

