

## Ebubechukwu Nwoke

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### Education

#### ORAL ROBERTS UNIVERSITY

Major in Computer Science; Minors in Business and Mathematics; Current GPA: 4.0

Tulsa, OK

Jul '26

#### PURDUE UNIVERSITY

Major in Computer Engineering; Minor in Computer Science (Transferred out)

West Lafayette, IN

Jun '21 – May '23

#### THE COLUMBUS ACADEMY

GPA: 3.95 SAT: 1450 ACT: 35

Gahanna, OH

Jun '21

### Experience

#### ASSOCIATION OF COMPUTER MACHINERY

Developer

West Lafayette, IN & Tulsa, OK

Aug '21 – Current

- Collaborated on multiple different fully-fledged products, including developing a mobile app for the Purdue Police Department
- Designed, programmed, and debugged gameplay code for a fully fleshed-out video game created with Unity
- Currently meeting once a week to solve various coding problems using LeetCode

#### AVOTRONICS POWERTRAIN

Developer

New Albany, OH

Jul '22 – Current

- Constructing a program via Unity allowing the user to test a hybrid transmission in many different terrains
- Working on code that captures the stats of the car and graphs it, allowing for in-depth analysis for the company without the use of a real car
- Developed a system to sense when a car is moving quickly enough to switch from an electrical transmission to gas
- Designed a way for different car sizes, tire masses, and transmission ratios to be tested

#### THECODERSCHOOL PROGRAMMING TEAM

Team Captain

Westerville, OH

Nov '19 – Aug '20

- Developed solutions to real-world problems using programming languages such as Java, C, and Python
- Built small programs for presentations to improve programming and business skills
- Led team to a top 10 finish in TCS National Coding Challenge, placing 9th out of over 300 teams
- Recruited team captains from other branches to participate in TeamsCode's Summer Coding Challenge, achieving 5th place out of 50 teams

### Programming Projects

#### AIRLINE MANAGEMENT SYSTEM

Made with: Java, SQL

STATUS: Work in Progress

Aug '24 – Current

- Text Based Airline Management System, allowing for the user to manage flights, passengers, employees, and other parts of the airport system.
- Learning how to use save states to keep track of flight information, as well as continuously adding more members of the system.

#### NBA PLAYER DATA PROJECT

Made with: Java, Python

STATUS: Work in Progress

May '24 – Current

- Scraped Data from Basketball Reference dating back to 1982, and used the data collected to make a makeshift database to find specific stats from different eras, players, etc.
- Created multiple methods to find league leaders and all time records for different metrics, such as by team, by position, or by season
- Currently working on a comparison matrix that will allow for specific players to be compared to head to head

#### TEXT BASED BANK MANAGEMENT SYSTEM

Made with: C

STATUS: Completed

Aug '22 – Sep '22

- Simple text based banking system that allows for user to create multiple accounts, deposit and withdraw money, and transfer funds between accounts.
- Records all transactions made and stores to be recalled when prompted

## **Programming Languages**

(in order of proficiency)

Java  
MATLAB

Python  
HTML

C  
JavaScript

C#  
CSS

C++  
SQL

## **Leadership**

### **NIGERIAN STUDENT'S ASSOCIATION @ PURDUE**

West Lafayette, IN

Vice President

Apr '22 – May '23

- Forming a sense of unity among Nigerian students at Purdue by hosting events and hosting opportunities for graduates and undergraduates to collaborate and cooperate
- Created a subsection of the association tailored towards undergrads due to the lack of representation in the group

### **KANAKUK K1 KAMPS**

Branson, MO

Counselor/Maintenance

May '22 – Aug '22

- Collaborated with other counselors to provide a safe and fun environment for children ages 6-12 to grow physically and spiritually.
- Worked with another male counselor to take care of 12 11-year-olds 24/7 for the span of one month, teaching them how to honor God and one another
- Spent about 2 months waking up early to make sure the entire camp was ready daily for any event, whether daily scheduled activities or special events

### **NSBE JUNIOR CHAPTER | REGION 4**

Columbus, OH

President / Member

Aug '17 – Mar '20

- Constructed and lead biweekly chapter meetings covering different engineering discipline throughout the year
- Organized chapter trips to different expositions around Central Columbus
- Provided younger members with lessons in math if needed, as well as help with other STEM related subjects

### **NSBE JR REG 4 MATH TEAM**

Columbus, OH

Team Captain

Nov '17 – Mar '19

- 2017 NSBE Central Columbus Winter Expo Math Competition – 1st
- 2018 NSBE Central Columbus Spring Expo Math Competition – 3rd
- 2018 NSBE Central Columbus Winter Expo Math Competition – 1st