

## 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
- 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

### Leadership

#### NIGERIAN STUDENT'S ASSOCIATION @ PURDUE

Vice President

West Lafayette, IN

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

Counselor/Maintenance

Branson, MO

May '22 – Aug '22

- 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 an additional 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

President / Member

Columbus, OH

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

Team Captain

Columbus, OH

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

## Programming Projects

### AIRLINE MANAGEMENT SYSTEM

STATUS: Work in Progress  
Aug '24 – Current

Made with: Java, SQL

- 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

### PERSONAL PORTFOLIO

STATUS: Completed  
Aug '24

Made with: HTML, CSS, JavaScript

- Used Github pages to make a simple coding portfolio to log all of the projects I have completed
- Features not only the projects mentioned here, but also a couple of mini projects I have completed in my own time
- Also allows for user to look back at previous programming assignments I have gone through and completed, which will continue to be populated throughout my collegiate career

### NBA PLAYER DATA PROJECT

STATUS: Work in Progress  
May '24 – Current

Made with: Java, Python

- 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 based on their ability and output in their own era

### TEXT BASED BANK MANAGEMENT SYSTEM

STATUS: Completed  
Aug '22 – Sep '22

Made with: C

- 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	Python	C	C#	C++
MATLAB	HTML	JavaScript	CSS	SQL