# Ebubechukwu Nwoke

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## Education

**ORAL ROBERTS UNIVERSITY**                                                        Tulsa, OK
Major in Computer Science; Minors in Business and Mathematics; Current GPA: 4.0                  May '26
**PURDUE UNIVERSITY**                                                   West Lafayette, IN
Major in Computer Engineering; Minor in Computer Science (Transferred out)             Jun '21 – May '23
**THE COLUMBUS ACADEMY**                                                     Gahanna, OH
GPA: 3.95 SAT: 1450 ACT: 35                                                          Jun '21

## Experience

**ORACLE**                                                          Redwood City, CA
Software Engineering Intern                                              May '25 – Aug '25
- Developed a custom prompt from scratch to leverage AI to generate code to process time card data for users, improving the code generation process for less experienced consumers
- Started the process of converting prompt into an agent using Oracle's new AI Agent Studio, creating a more scalable and user-friendly use of the prompt

**ASSOCIATION OF COMPUTER MACHINERY**                         West Lafayette, IN & Tulsa, OK
Developer                                                            Aug '21 – Jan '25
- 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
- Met once a week to solve various coding problems via LeetCode to prepare for technical interviews

**AVOTRONICS POWERTRAIN**                                              New Albany, OH
Developer                                                             Jul '22 – Aug '24
- 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

**THECODERSCHOOL PROGRAMMING TEAM**                                     Westerville, OH
Team Captain                                                          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

## Programming Projects

**SENIOR PROJECT: PORTFOLIO RISK ANALYSIS DASHBOARD**                STATUS: Work in Progress
Made with: Python, Grafana                                            Aug '25 – Current
- Designing and implementing a dashboard that visualizes the financial risk metrics of a user given portfolio in a rolling time window dating back to three years using Grafana
- Built a local caching system via Python to minimize API calls on redundant stocks and increase calculation efficiency

**MAKESHIFT FILE SYSTEM AND SHELL**                                 STATUS: Work in Progress
Made with: C++                                                       Sep '25 – Current
- Implemented a UNIX-like file system and command line shell from scratch using C++
- Applied object-oriented programming to handle index nodes, files, directories, and other memory data structures

**PERSONAL PORTFOLIO**                                                STATUS: Completed
Made with: HTML, CSS, JavaScript                                             Aug '24
- Made a simple coding portfolio to log all of the projects I have completed featuring not only the projects mentioned here, but also a couple of mini projects I have completed in my own time

**ENGLISH TO SPANISH TRANSLATION MODEL**                    STATUS: Completed
Made with: Python, Quarto                                    Sep '25 – Oct '25
- Built and trained a Transformer-based neural machine translation model using Tensorflow and Keras
- Preprocessed and tokenized the dataset before feeding in data, as well as using custom attention mechanisms to improve the accuracy of the model
- Created a quarto booklet fully analyzing the project and documenting the entire process

**EUROPEAN SOCCER DATA ANALYSIS**                           STATUS: Completed
Made with: R, Excel                                          Nov '24 – Dec '25
- Collected, cleaned, and structured season-long soccer performance data using Excel, using R for data visualizations
- Made a ranking algorithm in R to evaluate player metrics, using the results to curate a more objective "Team of the Season"

**NBA PLAYER DATA PROJECT**                                 STATUS: Work in Progress
Made with: Java, Python                                       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 based on their ability and output in their own era

**TEXT BASED BANK MANAGEMENT SYSTEM**                       STATUS: Completed
Made with: C                                                 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

## More Related Experience

**INDIGITOUS #HACK 2024**                                   Atlanta, GA
ORU Team Member                                              Oct '24
- Given the task to find a way to use technology to identify, reach, and disciple those who have limited to no access to the gospel
- Came up with the idea to use USSD APIs in Africa to help missionaries track the amount of people they convert, as well as using the location data of the phone to connect new converts to local churches to begin their discipleship process
- Created a presentation as well as a simple build of the database to show what it would look like on our end

## Leadership

**NIGERIAN STUDENT'S ASSOCIATION @ PURDUE**                 West Lafayette, IN
Vice President                                               Apr '22 – May '23
- Formed 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

**NSBE JUNIOR CHAPTER | REGION 4**                          Columbus, OH
President / Member                                           Aug '17 – Mar '20
- Constructed and led biweekly chapter meetings covering different engineering disciplines 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

**CENTER FOR ACADEMIC ADVISING AND TUTORING & WYZANT**                    Tulsa, OK
Lead Math Tutor                                                          Aug '23 – Current
- Spending 10 hours every week in the tutoring center at Oral Roberts, helping students with any math-related questions they had, as well as helping them prepare for tests
- Also have an online tutoring business via Wyzant, tutoring kids remotely at various times during the week
- Tutoring ranges from K-6$^{th}$ grade math to Calculus 2, and now starting to tutor basic computing and programming concepts

**TUTORING CLUB**                                                         Tulsa, OK
Tutor                                                                     Aug '23 – Current
- Tutoring kids of various ages either reading, writing, or math for an hour at a time
- Worked with ages ranging from 3-12th grade from beginning readers up
- Also helped highschoolers and more advanced students with their own schoolwork

**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 both 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 for any event, whether daily scheduled activities or special events