

MacVincent Agha-Oko

SOFTWARE ENGINEER · COMPUTER ENGINEERING MAJOR · CLAFLIN UNIVERSITY

☎ (+1) 704-858-7319 | ✉ amacvincent@claflin.edu | 🌐 macvincent.com | 📱 macvincent | 📺 amacvincent

Skills and Interests

- **Programming Languages:** C++, Java, Python, HTML/CSS/JavaScript
- **Libraries and Frameworks** Django, jQuery, IO2D, ncurses, OpenCV
- **Tools:** Git, Heroku, Cmake, Arduino
- **Interests:** Robotics, IoT, Music, Reading, Politics

Education

Claflin University

Orangeburg, South Carolina

CANDIDATE FOR A BACHELOR OF SCIENCE DEGREE IN COMPUTER ENGINEERING

Class of 2022

- Presidential Scholar, The Alice Tisdale Honors College
- **GPA:** 4.0/4.0
- **Relevant Coursework:** Introduction to Object Oriented Programming, Digital Logic Design, Discrete Mathematics, Differential Calculus, Introduction to Programming (Java)

Software Projects

City Planner (<https://github.com/macvincent/City-Planner>)

June 2019

- Programmed a multi-threaded traffic simulation showing vehicular movement in a real-world city
- Rendered a 2D model of the simulation by making use of the OpenCV library

Interactive System-Monitor (<https://github.com/macvincent/CppND-System-Monitor>)

June 2019

- Developed a program that displays information about memory and CPU utilization in a Linux System
- Created the interactive display of running processes using a multithreaded application of the ncurses library

Route Planner App (<https://github.com/macvincent/CppND-Route-Planning-Project>)

May 2019

- Designed a program that allows users to find the shortest distance between two points in a real-world map
- Used the A* pathfinding algorithm to find the shortest path between node points
- Rendered a 2D model of the map, showing the shortest route, using the IO2D library

Relevant Experience

Claflin University Upward Bound Program

Orangeburg, South Carolina

TUTOR COUNSELOR – MATH

June 2019 - July 2019

- Worked with Grade 10 - 12 High School students around the Orangeburg County area
- Worked towards helping them develop an attitude of high expectations regarding college preparation
- Provided personal guidance, mentorship, and support to a group of 5 students
- Assisted the Math teacher with general Math instruction

National Society of Black Engineers

Orangeburg, South Carolina

JAVA TUTOR

January 2019 - March 2019

- Took fellow students on weekly classes focused on the fundamentals of programming in Java
- Aided in their comprehension of basic CS concepts covered in their intro to Java class

Institute of Electrical and Electronics Engineers

Owerri, Nigeria

PUBLIC RELATIONS OFFICER

March 2017– April 2018

- Successfully led the planning committee for the 2017 Student Professional Awareness Conference (SPAC)
- Aided with C++, Arduino Micro-Controllers and Web Development instruction
- In charge of recruiting efforts that led to an increase in membership

Honors & Awards

- | | | |
|------|--|----------------|
| 2019 | Second Place , Claflin University Annual Business Plan Competition | SC, U.S.A |
| 2018 | Semester of Excellence for Fall 2018 , Claflin University Honors and Awards Convocation | SC, U.S.A |
| 2016 | Best Graduating Student , Federal Government Boys College | Abuja, Nigeria |
| 2015 | Best Delegate United Nations Office on Drug and Crime (UNODC) , Nigerian Model United Nations Society | Abuja, Nigeria |